



SOLDERLESS TERMINALS & CONNECTORS



NICHIFU

We are always seeking to improve our quality and develop new products.

NICHIFU has been a first-class, quality manufacturer of solderless terminals and sleeves for over 60 years.

Since 1951, as a solderless terminal/sleeve manufacturer, NICHIFU has sought to produce safe products which connect and provide electricity for the people of the world. Currently, the application of our products are expanding into new sectors of the world market, such as energy and home appliances.

All of our quality products undergo close inspection under the standards of our quality control. Also, our mass-production system has enabled us to quickly supply our customers low-priced products. Of course, our production is also flexible, allowing us to produce custom-made products upon request.

We constantly strive to improve quality, lower production cost, and expand the use of automatic tooling.

calpe



calpe

ISO9001



JQA-QM3410

NICHIFU TERMINAL
INDUSTRIES CO., LTD



RoHS

RoHS compliant products

RoHS 6 RoHS 6 compliant products

RoHS 10 RoHS 10 compliant products

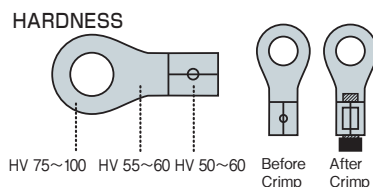
RoHS 6 Current production items are RoHS 6 compliant. Products manufactured before the effective date may still be on the market. Inquire us with the part numbers and lot numbers, if RoHS compliant products needed.

RoHS 10 Current production items are RoHS 10 compliant. Products manufactured before the effective date may still be on the market. Inquire us with the part numbers and lot numbers, if RoHS compliant products needed.

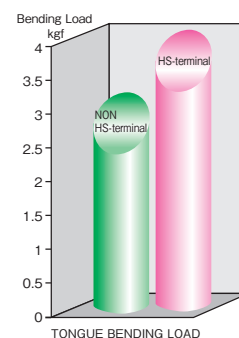
HSterminal High Solid

With a harder terminal tongue, fewer bending problems during installation, transportation and application

Nichifu's advanced technology has enabled the production with hardened tongue keeping softness of the barrel area unchanged. Our HS-terminals offer a tongue hardness of HV75-100 compared with the HV55 of non-HS terminals. 40% improvement in hardness that eliminates accidental bending. Thus, corrective straightening is not required, making installation quick and easy. With no change to the hardness of the barrel, the HS-terminal has the same crimping performance as non-HS terminals. Another distinguished feature of the HS is the notch at the center of brazed seam which designates the proper crimping position.



Also available in spade and pin styles.



Harder tongue keeps the tongue area straight and flat when compared to non HS-terminals.

Notch located at center of brazed seam, to target crimping position.

Annealed barrel, keeps softness for easier crimp.

INDOOR ELECTRICAL WIRING



PLUG JOINT CONNECTORS [▶ P.95](#)

One touch and quick joint of indoor electrical wires. Branch wiring also available.



JOINT COVERS [▶ P.134](#)

Protect wire joint area. Soft vinyl translucent cover makes instant visual inspection. Snap onto the suspension bolt.



ROMEX CABLE SUPPORTERS [▶ P.134](#)

Prevent temperature rise of wires and also deterioration of wire insulation. Easy fit on the suspension bolt.



QUICK LOCK CONNECTORS [▶ P.93](#)

Designed to grip wire at two (2) places to prevent slipping off.

- QLX for solid copper wire. Translucent housing enables visual inspection of inserted wires.
- QL MC for 0.9~1.2mm diameter solid copper wire.
- QL SQ is a high temperature connector mainly for fire-detectors.



CENTER PIN TERMINALS [▶ P.34](#)

The Pin stuck out center of terminal barrel to fit smoothly in narrower terminal block. Insulation cap (UL94V-0) for each Pin terminal are available.



EXTRA LONG BUTTS [▶ P.29](#)

Less distortion on Butt when crimped one side. Easy and smooth installation.

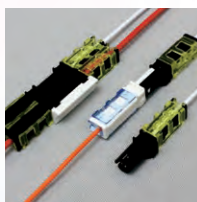


INSULATION CAPS (OPEN END CONNECTOR) [▶ P.134](#)

Protect the area of crimping connectors. Soft insulator conforms to RoHS. E-M(中)/E-L(大) Green translucent. E-S(小) Red translucent.



APPLIANCE ELECTRICAL WIRING



WIRE TO WIRE IDC NDC2420 ▶ P.98

Simply structured for single connection. No need of stripping wires or the use of special tools. Multi pole connection is possible.



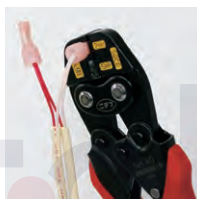
ENVIRONMENTAL FRIENDLY TERMINALS (INSULATED) ▶ P.43

No toxic material in the insulation. Environmentally conscious terminal.



HIGH TEMPERATURE TERMINALS ▶ P.40

Solid nickel, allows wire connection under circumstance at temperature max. 400°C.



HIGH TEMP CLOSED END CONNECTORS (SQCE) ▶ P.69

For multiple wire connections to or from Fire Detector. Durable for 15 minutes at max. 380°C.



WATER TIGHT CONNECTORS ▶ P.79

No heat shrink tube needed. Silicon-bushing inside connector shut off water. Water-Proof Safety Code IP57 proven.



HEAT SHRINK BUTT CONNECTORS ▶ P.81

It has the heat shrink tube over the butt connector. Use a heat gun, the glue inside the tube will melt, then an air tight water/dust proof connection.



INSULATED CENTER PIN TERMINALS ▶ P.58 P.61

Makes stranded wire to single to be fittable to push-on terminal block or switch. Wider entry type for two wires also available.



FULLY INSULATED DISCONNECTS ▶ P.76

Nylon housing covers the disconnect for fully insulation.



POWER LINE CONNECTION



COMPRESSION TERMINALS ▶ P.85

Available for wire upto 1600mm².



CLAMP CONNECTORS ▶ P.82

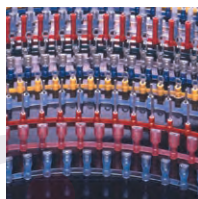
Cable connection with branch. Various wire combinations are available upto total wire size of 700sq. mm. Specially designed insulation available for individual size.



SHUNT WIRES ▶ P.89

Size of braiding area and number and size of bolt hole on terminal area of both ends are varied depend on users needs.

ICT & CRIMPER



ICT INSULATED CHAIN TERMINALS ▶ P.108

Invented by Nichifu. Chain-like linked loose terminals reduce time and labor, and ensure quality crimps.



CRIMPING EQUIPMENT FOR ICT TERMINALS ▶ P.106

Choose either pneumatic (NCA) or electric (NCM). Easy to use and mounted one-touch change of applicator for various terminal type and size automatically feeds terminal one by one with standardized crimping position.

CRIMPING TOOL



DESK-TOP PNEUMATIC CRIMPING EQUIPMENTS ▶ P.142

Piston motion crimping dies make terminal not to rotate in the dies.

NA10 (0.3mm²~5.5mm²)

NA20 (8mm²~60mm²)



HAND RATCHET CRIMPING TOOLS ▶ P.138

Various type or size tools are available. Convenient short handles type is available.

PRODUCTION COLOR [REFERENCE]

INSULATION CAPS



PIN TERMINALS (with CAP)



END CAPS



INSULATED TERMINALS

TMEX (Polycarbonate)
TMEV (Vinyl)



TMEN (Nylon)



TMDV (Vinyl)



INSULATED BUTT-PARALLEL CONNECTORS

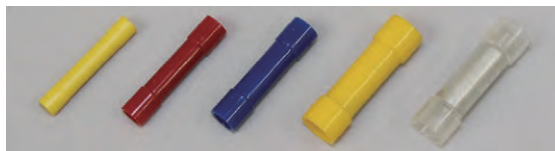
TGV (Vinyl)



TGN (Nylon)



TMV (Vinyl)



TMN (Nylon)



INSULATED PIN TERMINALS

TGV (Vinyl)



TGN (Nylon)



CLOSED END CONNECTORS



TORQUE SCREW DRIVERS



HIGH TEMP CLOSED END CONNECTORS



Actual color may be different from ones in the photo.



PRODUCTION COLOR [REFERENCE]

QUICK-DISCONNECTS

TMEDV (Vinyl)



TMDEN-TMEDN (Nylon)



BULLETS & RECEPTACLES

PC



PCE



WATER PROOF CONNECTORS



WIRE ENDS [NF-NFW]



HEAT-SHRINKABLE RINGS & BUTTS [SR-SB]



PLIER TAP CONNECTORS [PT-SPTV]



ROMEX CABLE SUPPORTERS



PUSH IN CONNECTORS [QLX]



PUSH IN CONNECTORS [QLX SQ-MC]



PLUG JOINT CONNECTORS



Actual color may be different from ones in the photo.



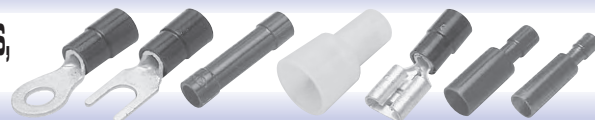
A

Non-Insulated Terminals and Sleeves



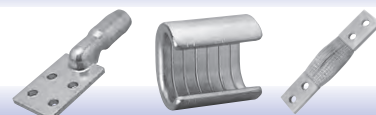
B

Insulated Terminals, Sleeves, Closed-End Connectors, Quick-Disconnects and Water-Proof Connectors



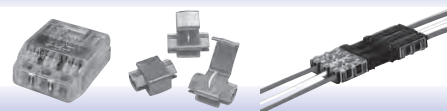
C

Compression Terminals, Clamp Connectors, Shunt Wires and Copper-Tube Terminals



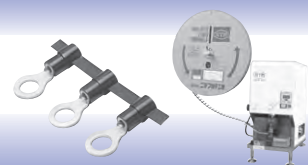
D

Quick Lock Connectors, Plier Tap Connectors and IDC



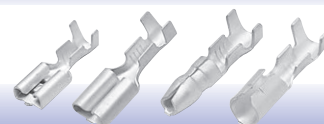
E

ICT Insulated Chain Terminals and Various Crimping Equipments



F

Stripped Chain terminals



G

Connectors



H

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I

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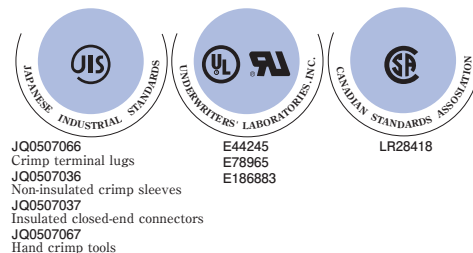
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We manufacture products according to Japanese Industrial Standards. The products are also listed by UL/CSA. As a proof of approval, we put them on products or container. We strongly believe you choose ours as a sure and safe products.





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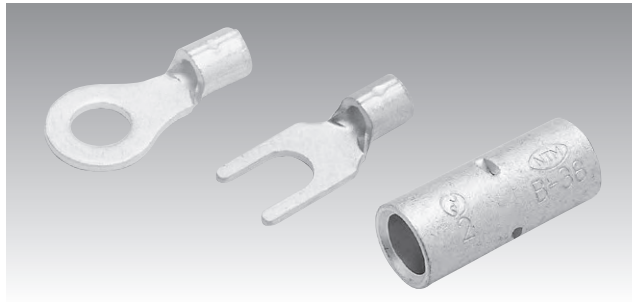


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NON-INSULATED TERMINALS & SLEEVES



SPECIFICATIONS

- **MATERIAL** : Oxygen free copper strip/tube. (electro-tin-plating)
- **RATED CURRENT** : Please see amperage rating table for insulated wires. (Page 148)

STANDARDS

- Japanese Industrial Standards, JIS C2805 and JIS C2806.
- UL 486A-486B (File No. E44245)
- CSA C22.2 (File No. LR-28418)

FOR SAFETY USE

Please observe the following points to prevent over-heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.

(NOTE)

- | | |
|-------------------|---|
| APPLICABLE WIRE | <ul style="list-style-type: none"> ● Wire range and performance ratings comply with JIS standard wire (IV, KIV, VSF). ● Inquire when solid wire is used for the 14 mm² or above terminals. |
| UL / CSA | To have UL/CSA listed or certified, use proper Nichifu crimp tool. To find correct tool, see our tool selection, page 138~142. |
| WIRE STRIP LENGTH | Strip length should be approx. 2mm longer than barrel length. (conductor should come out 1mm from both ends) |

STRUCTURE OF OUR PART NUMBER

R 1.25 - 3

Shape of tongue	Nominal size	Stud size(mm)
R : RING	1.25 → 1.25mm ²	
RD : RING,DOUBLE STUD	2 → 2mm ²	
CB : SQUARE RING	3.5 → 3.5mm ² etc	
FT : FLAG RING		

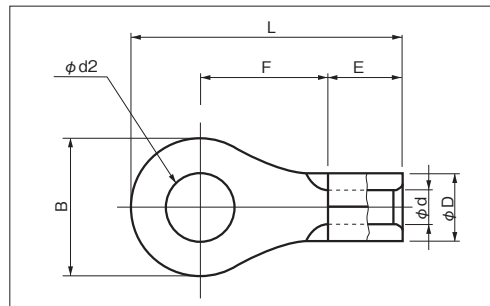
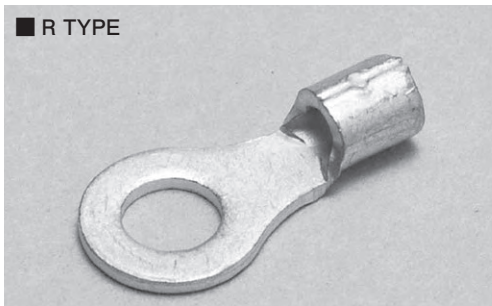
1.25 Y - 3

Nominal size	Shape of tongue	Stud size(mm)
1.25 → 1.25mm ²	Y : SPADE	
2 → 2mm ²	LY : LOCKING SPADE	
3.5 → 3.5mm ² etc		



RING TERMINALS (R TYPE)

JIS C 2805



RoHS10

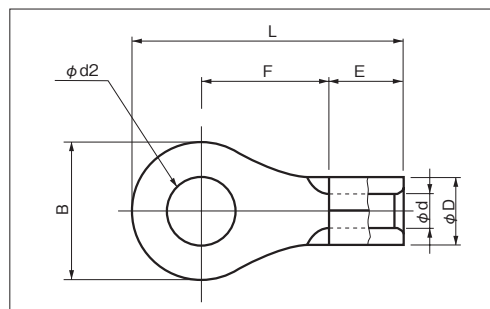
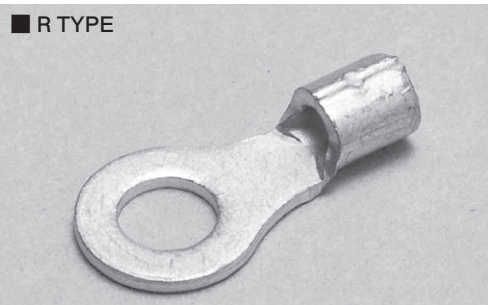
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	phi d2	B	L	F	E	phi D	phi d	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
R 0.3-2 ○	2.2	5.2	12.0	4.9	4.5	2.2	1.0	-	0.2~0.5	24-20	NH 69		1,000 (100×10)
R 0.3-3 ○	3.2		12.0	4.9									
R 0.3-3N ○	3.2	14.3	7.2										
R 0.3-3.5 ○	3.7	6.6	15.0	7.2									
R 0.3-4 ○	4.3	6.6	15.0	7.2									
R 0.3-5 ○	5.3	8.0	15.5	7.0							NA 10 NA 3	N10 04 N3 70	
R 0.75-3 △	3.2	5.6	12.0	4.7	4.5	2.5	1.4	-	0.3~0.75	22-18	NH 69		1,000 (100×10)
R 0.75-3.5 △	3.7		12.0	4.7									
R 0.75-4 ○	4.3	6.6	13.3	5.5									
R 1.25-2 ○	2.2	5.5	12.0	4.7	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69		1,000 (100×10)
R 1.25-2S ○		5.7	11.9	4.5									
R 1.25-3 ●	3.2	5.5	12.0	4.7									
R 1.25-3N ○		5.6	14.9	7.6									
R 1.25-3S ○	5.7	11.9	4.5										
R 1.25-3.5N ○	3.7	5.6	14.9	7.6									
R 1.25-3.5S ○		5.7	11.9	4.5									
R 1.25-3.5 ●		6.6	13.3	5.5									
R 1.25-3.5M ○		6.8	13.9	6.0									
R 1.25-3.5L ○		8.0	15.6	7.1									
R 1.25-4S ○	4.3	6.6	13.3	5.5									
R 1.25-4M ○		6.8	13.9	6.0									
R 1.25-4 ●	5.3	8.0	15.6	7.1									
R 1.25-5 ●		8.0	15.6	7.1									
R 1.25-6 ○	6.4	12.0	20.2	9.7									
R 1.25-8 ○	8.4												
R 1.25-10 ○	10.5				16.5	25.0	12.2						

NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA △ : UL
 2) Refer to page 14 for UL/ CSA and proper strip length of wire.

RING TERMINALS (R TYPE)

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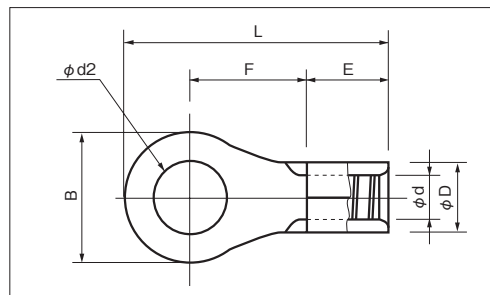
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	phi d2	B	L	F	E	phi D	phi d	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
R 2-2 ○	2.2	6.5	12.7	4.9	4.5	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 NH 9 NH 61A NH 69	1,000 (100×10)	
R 2-3N ○	3.2	5.6	14.9	7.6									
R 2-3S ○		5.7	12.3	4.9									
R 2-3 ○	6.5	12.7	4.9										
R 2-3.5N ○	3.7	5.6	14.9	7.6									
R 2-3.5NS ○		6.5	12.7	4.9									
R 2-3.5 ●		6.6	14.4	6.6									
R 2-3.5S ○		6.6	15.4	7.6									
R 2-3.5M ○	8.0	16.0	7.5										
R 2-4S ○	4.3	6.6	14.4	6.6									
R 2-4M ○		8.0	16.0	7.5									
R 2-4 ●		8.5	16.5	7.7									
R 2-5M ○	5.3	8.0	16.0	7.5									
R 2-5 ●		9.5	17.0	7.7									
R 2-5L ○		12.0	21.5	11.0									
R 2-6 ●	6.4	12.0	21.5	11.0									
R 2-8 ●	8.4												
R 2-10 ○	10.5	15.0	24.5	12.5									
R 2-12 ○	13.0	19.0	28.5	14.5									
R 2-16 ○	17.0	27.5	41.0	23.0									
R 2-18 ○	19.0												
R 2-20 ○	21.0												
R 3.5-4S ※	4.3	7.0	17.5	8.0	6.0	5.1	3.0	1.82 2.4	2.63 4.6	12	NH 1 NH 9	1,000 (100×10)	
R 3.5-4 ○		8.0	18.0										
R 3.5-5N ※ ○	5.3	9.6	20.0	9.2									
R 3.5-5S ○		12.0	21.4	9.4									
R 3.5-5L ○		9.6	20.0	9.2									
R 3.5-6 ○	6.4	12.0	21.4	9.4									
R 3.5-6L ○		13.5	25.5	12.7									
R 3.5-8 ○	8.4	13.5	25.5	12.7									
R 3.5-4S ※	4.3	7.0	17.5	8.0	6.0	5.1	3.0	1.82 2.4	2.63 4.6	12	NH 1 NH 9	1,000 (100×10)	
R 3.5-4 ○		8.0	18.0										
R 3.5-5N ※ ○	5.3	9.6	20.0	9.2									
R 3.5-5S ○		12.0	21.4	9.4									
R 3.5-5L ○		9.6	20.0	9.2									
R 3.5-6 ○	6.4	12.0	21.4	9.4									
R 3.5-6L ○		13.5	25.5	12.7									
R 3.5-8 ○	8.4	13.5	25.5	12.7									

- NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
 2) Refer to page 14 for UL/CSA and proper strip length of wire.
 3) ※Specification is partly different from other ring terminals.



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PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX	
	φd2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
R 5.5-3M ※ ○	3.2	6.5	16.9	7.2	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9	1,000 (100×10)		
R 5.5-3N ※ ○		7.0	17.2											
R 5.5-3S ※ ○		9.0	18.2											
R 5.5-3.5N ※ ○	3.7	7.0	17.2											
R 5.5-3.5S ※ ○		9.0	18.2											
R 5.5-3.5 ○	9.5	19.5	8.2											
R 5.5-4N ※ ○	4.3	7.0	17.2	7.2										
R 5.5-4S ※ ○		9.0	18.2											
R 5.5-4 ●		9.5	19.5		8.2									
R 5.5-5N ※ ○	5.3	8.0	17.7	7.2										
R 5.5-5S ※ ○		9.0	18.2											
R 5.5-5 ●		9.5	19.5		8.2									
R 5.5-6S ※	6.4	9.0	23.0	12.0										
R 5.5-6 ●		12.0	10.5											
R 5.5-8S ※	8.4	13.2	22.1	9.0										
R 5.5-8 ●		15.0	28.0	14.0										
R 5.5-10 ●	10.5	19.2	32.5	16.4										
R 5.5-12 ○	13.0	29.5	48.0	26.7										
R 5.5-14 ○	15.0	21.0									NA 10 NA 3	N10 03 N3 7	250 (25×10)	
R 5.5-16	17.0													
R 5.5-18	19.0													
R 5.5-20	21.0													
R 8-4S ○	4.3	8.0	21.5	9.1	8.4	7.1	4.5	2.89 3.65	6.64 10.52	8	NH 1 NH 9 NOP 60 NOM 60	1,000 (100×10)		
R 8-4 ○		12.0	23.5	9.1										
R 8-5N ※		9.0	22.0	9.1										
R 8-5S ○	5.3	10.0	22.5	9.1										
R 8-5 ●		12.0	23.5											
R 8-6S ○	6.4	10.0	22.5	9.1										
R 8-6 ●		12.0	23.5											
R 8-8S	8.4	15.0	29.5	13.6										
R 8-8 ●		17.0	33.5	15.1										
R 8-10 ●	10.5	22.0	37.0	17.6										
R 8-12 ○	13.0	31.0	50.0	26.1										
R 8-14 ○	15.0													
R 8-16	17.0													
R 8-18	19.0													
R 8-20	21.0										NA 20		N20 08	200 (20×10)

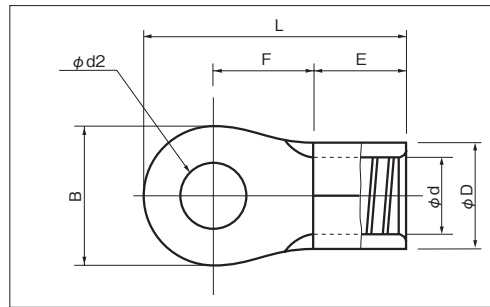
- NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
 2) Refer to page 14 for UL/CSA and proper strip length of wire.
 3) ※Specification is partly different from other ring terminals.



RING TERMINALS (R TYPE)

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■ R TYPE



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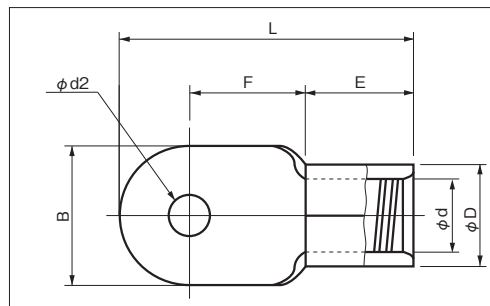
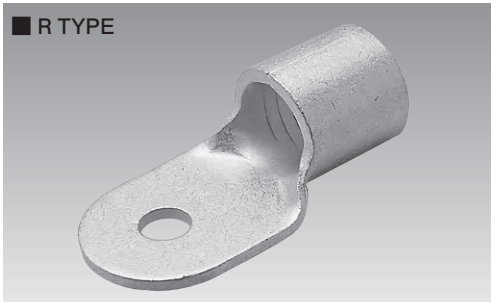
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	phi d2	B	L	F	E	phi D	phi d	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. HEAD No.	
R 14-5N ※	5.3	9.0	26.0	11.5	10.0	9.0	5.8	-	10.52 } 16.78	6	NH 9 NOP 60 NOM 60 NOP 150HA NOM 150	100	
R 14-5S ※ ○		10.0	26.5										
R 14-5 ●		12.0	27.5										
R 14-6S ※ ○		10.0	26.5										
R 14-6 ●	6.4	12.0	27.5										
R 14-6L ○		16.0	32.5	14.5									
R 14-8S ※ ○	8.4	12.0	27.5	11.5									
R 14-8 ●		16.0	32.5	14.5									
R 14-10 ●	10.5	16.0	32.5	14.5									
R 14-12 ●	13.0	22.0	40.0	19.0									
R 14-14 ●	15.0	30.0	48.5	23.5									
R 14-16 ○	17.0												
R 14-20 ○	21.0												
											NA 20 N20 14	50	
R 22-5N ※	5.3	9.3	27.5	11.0	12.0	11.6	7.7	-	16.78 } 26.66	4	NOP 60 NOM 60 NOP 150HA NOM 150	100	
R 22-5S ※ ○		11.8	31.4	13.5									
R 22-5 ○		16.5	33.3	13.0									
R 22-6S ※ ○	6.4	11.8	31.4	13.5									
R 22-6 ●		16.5	33.3	13.0									
R 22-8S ※ ○	8.4	11.8	31.4	13.5									
R 22-8 ●		16.5	33.3	13.0									
R 22-10S ※	10.5	17.5	36.3	15.5									
R 22-10 ●		13.0	22.0	42.3									19.3
R 22-12 ●	13.0	22.0	42.3	19.3									
R 22-14 ●	15.0	30.0	51.3	24.3									
R 22-16 ○	17.0												
R 22-20 ○	21.0												
													NA 20 N20 22
R 38-5 ○	5.3	22.0	42.3	18.3	13.0	13.4	9.4	-	26.66 } 42.42	2	NOP 60 NOM 60 NOP 150HA NOM 150	100	
R 38-6S ※ ○	6.4	15.3	39.0	18.3									
R 38-6 ○		22.0	42.3	18.3									
R 38-8S ※ ○	8.4	15.3	39.0	18.3									
R 38-8 ●		22.0	42.3	18.3									
R 38-10S ※ ○	10.5	15.3	39.0	18.3									
R 38-10 ●		22.0	42.3	18.3									
R 38-12 ●	13.0	30.0	52.3	24.3									
R 38-14 ●	15.0												
R 38-16 ○	17.0												
R 38-20 ○	21.0												

- NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
 2) Refer to page 14 for UL/CSA and proper strip length of wire.
 3) Current, tensile length, etc. are rated lower than other terminals of the same wire size (Refer to page 143)
 4) ※Specification is partly different from other ring terminals.



RING TERMINALS (R TYPE)

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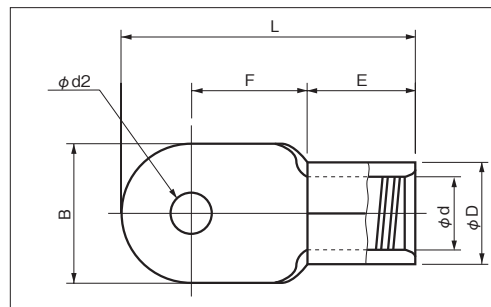
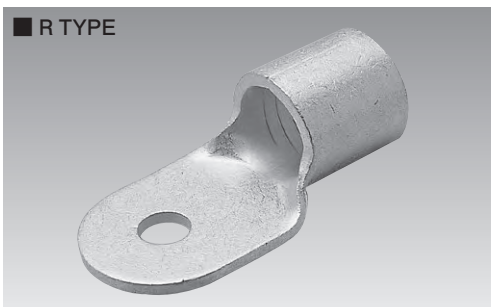
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	φd2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG or MCM	HAND TOOL No.	TOOL BODY No.	
R 60-5	5.3	22.0	48.5	19.0	18.5	15.6	11.4	-	42.42 } 60.57	1/0	NOP 60 NOM 60 NOP 150HA NOM 150		100
R 60-6S ※	6.4	16.0	46.5	20.0									
R 60-6 ○	6.4	22.0	48.5	19.0									
R 60-8S ※	8.4	16.0	46.5	20.0									
R 60-8 ●	8.4	22.0	48.5	19.0									
R 60-10S ※	10.5	16.0	46.5	20.0									
R 60-10 ●	10.5	22.0	48.5	19.0									
R 60-12 ●	13.0	32.0	57.3	22.8									
R 60-14 ●	15.0												
R 60-16 ○	17.0												
R 60-20 ○	21.0												
R 60-22 ○	23.0	NA 20		N20 60	25								
		NOP 700 NOM 2500A NOM 3000	NOH 300K										
R 70-6	6.4	24.0	51.0	20.0	19.0	17.7	13.5	-	60.57 } 76.28	2/0	NOP 150HA NOM 150		25
R 70-8 ○	8.4												
R 70-10 ○	10.5												
R 70-12 ○	13.0												
R 70-14 ○	15.0												
R 70-16 ○	17.0												
R 70-20 ○	21.0												
R 70-22 ○	23.0												
		NOP 700 NOM 2500A NOM 3000	NOH 300K										
R 80-5	5.3	27.0	52.5	20.0	19.0	19.6	14.5	-	76.28 } 96.3	3/0	NOP 150HA NOM 150		50
R 80-6	6.4												
R 80-8 ○	8.4												
R 80-10 ○	10.5												
R 80-12 ○	13.0												
R 80-14 ○	15.0												
R 80-16 ○	17.0												
R 80-20 ○	21.0												
R 80-22 ○	23.0												
											NOP 700 NOM 2500A NOM 3000	NOH 300K	
R 100-8 ○	8.4	28.5	53.5	20.2	19.0	22.5	16.4	-	96.3 } 117.2	4/0	NOP 150HA NOM 150		20
R 100-10 ●	10.5	32.0	62.5	27.5									
R 100-10L	10.5												
R 100-12 ●	13.0	28.5	53.5	20.2									
R 100-12L	13.0	32.0	62.5	27.5									
R 100-14 ●	15.0												
R 100-16 ●	17.0												
R 100-18 ●	19.0												
R 100-20 ●	21.0												
R 100-22 ○	23.0												
		NOP 700 NOM 2500A NOM 3000	NOH 300K										

- NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
 2) Refer to page 14 for UL/CSA and proper strip length of wire.
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RING TERMINALS (R TYPE)

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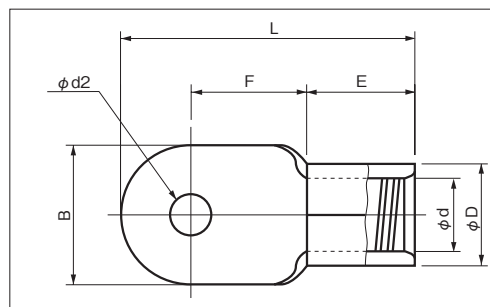
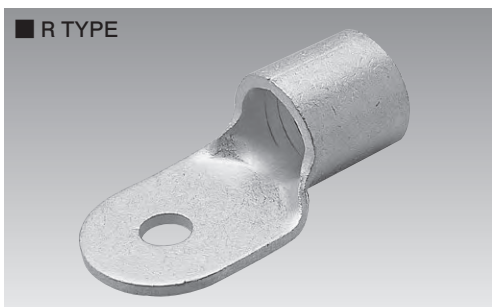
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX																		
	φ d2	B	L	F	E	φ D	φ d	SOLID mm	STRANDED mm ²	MCM	HAND TOOL No.	TOOL BODY No.		HEAD No.																	
R 150-8 ○	8.4	36.0	67.3	22.3	27.0	26.6	19.5	-	117.2 ∩ 152.05	250 ∩ 300 MCM	NOP 150HA NOM 150		20																		
R 150-10 ●	10.5																														
R 150-12 ●	13.0																														
R 150-12L ○	13.0		83.3	38.3							-	-		-	-	-	-	NOP 700 NOM 2500A NOM 3000		10											
R 150-14 ●	15.0																														
R 150-16 ●	17.0																														
R 150-18 ●	19.0																														
R 150-20 ●	21.0																														
R 150-22 ○	23.0																														
R 150-27 ○	28.0	42.0	35.3	-	-	-	-	-	-	-	-	-																			
R 180-10 ○	10.5	38.5	77.0										28.0	29.7	28.5	20.2	-	152.05 ∩ 192.6	300 ∩ 350 MCM	NOP 700 NOM 2500A NOM 3000		10									
R 180-12 ○	13.0																														
R 180-14 ○	15.0																														
R 180-16 ○	17.0		87.0										38.0							-	-		-	-	-	-	-	-	-		
R 180-18 ○	19.0																														
R 180-20 ○	21.0																														
R 180-22 ○	23.0	44.0	73.2										23.0	33.2	32.9	24.0	-	192.6 ∩ 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000		10									
R 200-10N ○	10.5																														
R 200-10S ○	10.5																														
R 200-12N ○	13.0		80.0	24.8	-	-	-	-	-	-	-	-	-							-											
R 200-12S ○																															
R 200-12 ●	13.0		91.0	35.8	-	-	-	-	-	-	-	-	-							-											
R 200-14N ○	15.0		73.2	23.0																											
R 200-14S ○																															
R 200-14 ●																															
R 200-16N ○	17.0		80.0	24.8																											
R 200-16S ○																															
R 200-16 ●	19.0		91.0	35.8																	-		-	-	-	-	-	-	-	-	-
R 200-18 ●																															
R 200-20 ●																															
R 200-22 ●																															
R 200-24 ●																															
R 200-27 ●																															

NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
 2) Refer to page 14 for UL/CSA and proper strip length of wire.



RING TERMINALS (R TYPE)

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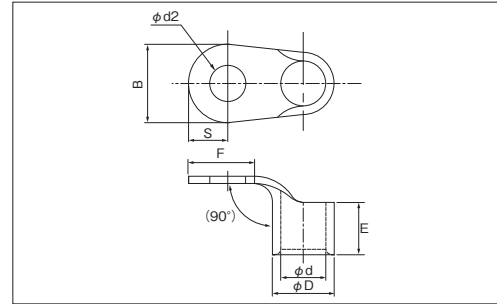
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	φ d2	B	L	F	E	φ D	φ d	SOLID mm	STRANDED mm ²	MCM	HAND TOOL No.	TOOL BODY No.	
R 250-12N	13.0	44.0	79.7	24.5	33.2	35.6	26.5	-	250	-	NOP 700 NOM 2500A NOM 3000	*NOH 300K	10
R 250-12			91.0	35.8									
R 250-14N	15.0	44.0	79.7	24.5	33.2	35.6	26.5	-	250	-	NOP 700 NOM 2500A NOM 3000	*NOH 300K	10
R 250-14			91.0	35.8									
R 250-16N	17.0	44.0	79.7	24.5	33.2	35.6	26.5	-	250	-	NOP 700 NOM 2500A NOM 3000	*NOH 300K	10
R 250-16			91.0	35.8									
R 325-10N ○	10.5	49.0	88.5	33.0	36.5	37.8	28.0	-	242.27 ∫ 325	500 ∫ 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
R 325-10S ○		50.5	95.0	33.2									
R 325-12N ○	13.0	49.0	88.5	33.0	36.5	37.8	28.0	-	242.27 ∫ 325	500 ∫ 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
R 325-12S ○		50.5	95.0	33.2									
R 325-14N	15.0	49.0	88.5	33.0	36.5	37.8	28.0	-	242.27 ∫ 325	500 ∫ 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
R 325-14S ○		50.5	95.0	33.2									
R 325-16N	17.0	49.0	88.5	33.0	36.5	37.8	28.0	-	242.27 ∫ 325	500 ∫ 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
R 325-16 ●		50.5	95.0	33.2									
R 325-18 ●	19.0	50.5	105.0	43.2	36.5	37.8	28.0	-	242.27 ∫ 325	500 ∫ 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	5
R 325-20 ●	21.0												
R 325-22 ●	23.0												
R 325-24 ●	25.0												
R 325-27 ●	28.0												

NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA
- 2) Refer to page 14 for UL/ CSA and proper strip length of wire.
- 3) Please use the dies for 325mm², to crimp R 250-* with NOH 300K.
- 4) REC-Li250M (Maxell Izumi Co., Ltd.) is also available for R 250-12, R 250-14, R 250-16 (250mm²).

RING TERMINALS (90 DEGREES BEND TERMINALS)



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD QTY/BOX									
	$\phi d2$	B	S	F(MIN)	E	ϕD	ϕd	STRANDED mm ²	AWGor MCM	HAND TOOL No.	DIES No.										
R 1.25-4-B Δ	4.3	8.0	4.0	8.5	4.5	3.4	1.7	0.25	22-16	NH1 • NH69		100									
R 1.25-5-B Δ	5.3	8.0	4.0	8.5				1.65		NA 10 NA 3	N10 01 N3 7										
R 2-4-B Δ	4.3	8.5	4.2	8.5	4.5	4.2	2.3	1.04	16-14	NH1 • NH69 • NH9		100									
R 2-5-B Δ	5.3	9.5	4.7	9.0				2.63		NA 10 NA 3	N10 02 N3 7										
R 5.5-4-B Δ	4.3	9.5	4.7	10.0	6.5	5.6	3.4	2.63	12-10	NH1 • NH9		100									
R 5.5-5-B Δ	5.3	9.5	4.7	10.0				6.64		NA 10 NA 3	N10 03 N3 7										
R 8-4-B Δ	4.3	12.0	6.0	9.2	8.4	7.1	4.5	6.64	8	NH1 NH9 NOP 60 NOM 60		100									
R 8-5-B Δ	5.3	12.0	6.0	9.2				10.52		NA 20	N20 08										
R 8-6-B Δ	6.4	12.0	6.0	9.2				10.0		9.0	5.8		10.52	6	NH9 NOP 60 NOM 60 NOP 150HA NOM 150		100				
R 14-5S-B Δ	5.3	10.0	5.0	10.0									16.78		NA 20	N20 14					
R 14-5-B Δ	5.3	12.0	6.0	11.0	12.0	11.6	7.7	16.78	4	NOP 60 NOM 60 NOP 150HA NOM 150		100									
R 14-6S-B Δ	6.4	10.0	5.0	10.0				26.66		NA 20	N20 22										
R 14-6-B Δ	6.4	12.0	6.0	11.0				13.0		13.4	9.4		26.66	2	NOP 60 NOM 60 NOP 150HA NOM 150		100				
R 14-8S-B Δ	8.4	12.0	6.0	11.0									42.42		NA 20	N20 38					
R 14-8-B Δ	8.4	16.0	8.0	16.0									42.42		15.6	11.4		42.42	1/0	NOP 60, NOM 60 NOP 150HA, NOM 150 NA 20, N20 60 NOP 700, NOH300K NOM2500A, NOM3000	
R 22-5S-B Δ	5.3	11.8	5.9	12.8	27.0	13.5	23.0	16.78	3/0	NOP 150HA NOM 150		50									
R 22-5-B Δ	5.3	16.5	8.2	15.0				96.3		19.0	19.6		14.5	4/0	NOP 700 NOM2500A NOM3000		20				
R 22-6S-B Δ	6.4	11.8	5.9	12.8				117.2							27.0	26.6		19.5	250 300 MCM	NOP700 NOM2500A NOM3000	
R 22-6-B Δ	6.4	16.5	8.2	15.0				117.2		26.6	19.5		152.05	NOP700 NOM2500A NOM3000			20				
R 22-8S-B Δ	8.4	11.8	5.9	12.8										15.0						36.0	18.0
R 22-8-B Δ	8.4	16.5	8.2	15.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		20												
R 38-6S-B Δ	6.4	15.3	7.6	17.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000			20											
R 38-6-B Δ	6.4	22.0	11.0	21.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		20												
R 38-8S-B Δ	8.4	15.3	7.6	17.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000			20											
R 38-8-B Δ	8.4	22.0	11.0	21.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		20												
CB 38-5S-B * Δ	5.3	13.5	7.5	15.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000			20											
R 60-8-B Δ	8.4	22.0	11.0	22.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		20												
R 60-10-B Δ	10.5				NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000														
R 60-12-B Δ	13.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000																	
R 80-10-B Δ	10.5	27.0	13.5	23.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		50												
R 80-12-B Δ	13.0				NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000														
R 100-10-B Δ	10.5	28.5	14.2	24.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		50												
R 100-12-B Δ	13.0				NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000														
R 150-10-B Δ	10.5	36.0	18.0	29.0	NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000		20												
R 150-12-B Δ	13.0			NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000															
R 150-14-B Δ	15.0			NOP700 NOM2500A NOM3000		NOP700 NOM2500A NOM3000															

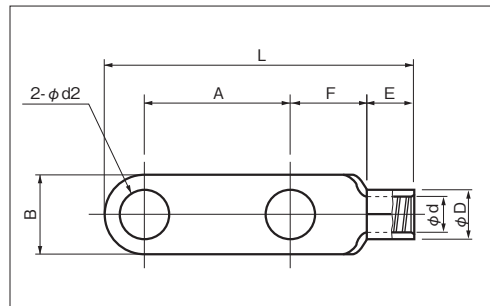
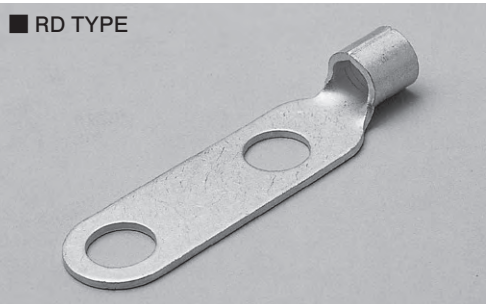
NOTE

- 1) Δ : UL
- 2) * CB 38-5S-B is Square Ring terminal.
- 3) To crimp by NA 20, need modification of dies holder.
- 4) Check dimensions of washer and stud hole area.
- 5) Refer to page 14 for UL/CSA and proper strip length of wire.



RING TERMINALS (RD TYPE)

JIS C 2805



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RoHS10

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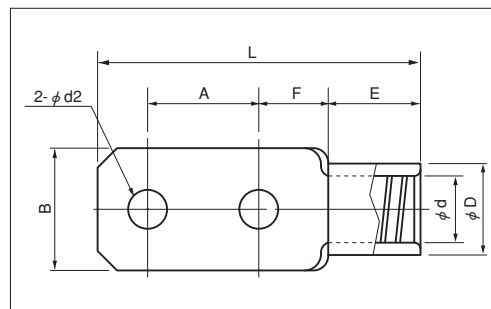
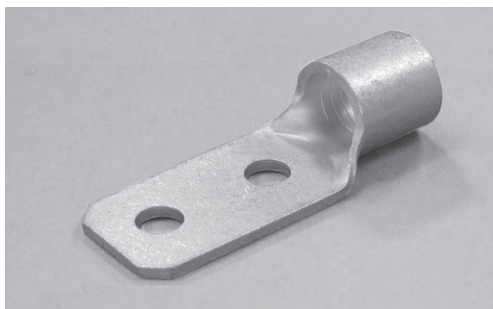
PART NUMBER	DIMENSIONS mm								WIRE RANGE		TOOL No.		STD QTY/BOX
	φd2	B	L	A	F	E	φD	φd	STRANDED mm ²	AWGor MCM	HAND TOOL No.		
											TOOL BODY No.	HEAD No.	
RD 38-10	11.0	22.0	77.3	32.0	21.3	13.0	13.4	9.4	26.66	2	NOP 60 NOM 60		50
RD 38-12	13.0		85.3	40.0							NOP 150HA NOM 150		
RD 38-w/o HOLE	-		-	-								NA 20 N20 38	
RD 60-10 ●	11.0	22.0	81.0	32.0	19.5	18.5	15.6	11.4	42.42	1/0	NOP 60, NOM 60 NOP 150HA, NOM 150		50
RD 60-12 ●	14.0		89.0	40.0							NA 20 N20 60		
RD 60-14 ●	16.0		97.0	40.0								NOP 700 NOM 2500A NOM 3000	
RD 60-w/o HOLE	-	32.0	-	-	-	-	-	-	-	-	-	-	-
RD 70-10 ○	11.0	24.0	91.0	32.0	20.0	19.0	17.6	13.5	60.57	2/0	NOP 150HA NOM 150		20
RD 70-12 ○	14.0			40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 70-w/o HOLE	-			-									
RD 80-10 ○	11.0	27.0	86.0	32.0	21.5	19.0	19.6	14.5	76.28	3/0	NOP 150HA NOM 150		20
RD 80-12 ○	14.0		94.0	40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 80-14 ○	16.0		99.0	40.0									
RD 80-w/o HOLE	-	32.0	-	-	-	-	-	-	-	-	-	-	-
RD 100-10 ●	11.0	28.5	87.0	32.0	21.7	19.0	22.5	16.4	96.3	4/0	NOP 150HA NOM 150		20
RD 100-12 ●	14.0		95.0	40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 100-14 ●	16.0		99.0	40.0									
RD 100-w/o HOLE	-	32.0	-	-	-	-	-	-	-	-	-	-	-
RD 150-12 ●	14.0	36.0	106.0	40.0	21.0	27.0	26.6	19.5	117.2	250-300 MCM	NOP 150HA NOM 150		20
RD 150-14 ●	16.0			40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 150-w/o HOLE	-			-									
RD 180-12 ○	14.0	38.5	111.0	40.0	22.0	29.7	28.5	20.2	152.05	300-350 MCM	NOP 700 NOM 2500A NOM 3000		10
RD 180-14 ○	16.0			40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 180-w/o HOLE	-			-									
RD 200-12 ●	14.0	44.0	117.0	40.0	21.8	33.2	32.9	24.0	192.6	400 MCM	NOP 700 NOM 2500A NOM 3000		10
RD 200-14 ●	16.0			40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 200-w/o HOLE	-			-									
RD 250-12	14.0	44.0	117.0	40.0	21.8	33.2	35.6	26.5	250	-	NOP 700 NOM 2500A NOM 3000		5
RD 250-14	16.0			40.0							NOP 700 NOM 2500A NOM 3000	*NOH 300K	
RD 250-w/o HOLE	-			-									
RD 325-12 ●	14.0	50.5	124.0	40.0	22.2	36.5	37.8	28.0	242.27	500-600 MCM	NOP 700 NOM 2500A NOM 3000		5
RD 325-14 ●	16.0			40.0							NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 325-w/o HOLE	-			-									

NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA
- 2) Refer to page 14 for UL/ CSA and proper strip length of wire.
- 3) Please use the dies for 325mm \bar{f} , to crimp RD 250-* with NOH 300K.
- 4) REC-Li250M (Maxell Izumi Co., Ltd.) is also available for RD 250-12, RD 250-14 (250mm \bar{f}).



SQUARE RING TERMINALS (2 HOLES)



RoHS10

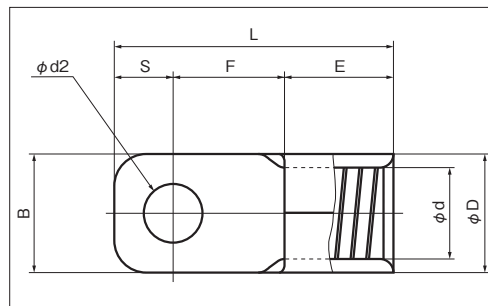
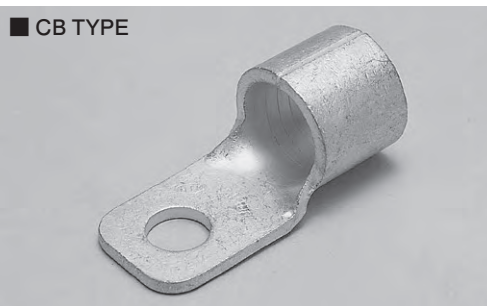
See page 2

PART NUMBER	DIMENSIONS mm								WIRE RANGE		TOOL No.		STD QTY/BOX
	φd2	B	L	A	F	E	φD	φd	STRANDED mm ²	AWG or MCM	HAND TOOL No.	TOOL BODY No.	
100-D-12	14.0	28.5	95.0	40.0	21.0	19.0	22.5	16.4	96.3 ∩ 117.2	4/0	NOP15HA NOM150		20
150-D-12	14.0	36.0	106.0	40.0	21.0	27.0	26.6	19.6	117.2 ∩ 152.05	250 ∩ 300 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	20
200-D-12	14.0	44.0	116.2	40.0	25.0	33.2	32.9	24.0	192.6 ∩ 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
325-D-12	14.0	50.5	124.0	40.0	29.5	36.5	37.8	28.0	242.27 ∩ 325	500- 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	5





SQUARE RING TERMINALS (CB TYPE)



RoHS10
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A

PART NUMBER	DIMENSIONS mm								WIRE RANGE		TOOL No.		STD QTY/BOX		
	phi d2	B	L	S	F	E	phi D	phi d	STRANDED mm ²	AWGor MCM	HAND TOOL No.	TOOL BODY No.		HEAD No.	
CB 22-5S ○	5.3	12.5	31.0	5.5	13.5	12.0	11.6	7.7	16.78	4	NOP 60 NOM60 NOP 150HA NOM 150		100		
CB 22-6S ○	6.4			6.4	12.6				26.66		NA 20	N20 22			
CB 22-8S ○	8.2														
CB 38-5S ○	5.3	12.5	34.8	7.5	16.3	13.0	13.4	9.4	26.66	2	NOP 60 NOM 60 NOP 150HA NOM 150		100		
CB 38-6N ○	6.4			7.5					42.42		NA 20	N20 38			
CB 38-6S ○	6.4			7.5											
CB 38-8N	8.4	12.5	34.8	7.4	14.4										
CB 60-6N	6.4	16.0	46.5	8.0	20.0	18.5	15.6	11.4	42.42	1/0	NOP 60 NOM 60 NOP 150HA NOM 150		100		
CB 60-6S ○			49.5	11.0					60.57		NA 20	N20 60			
CB 60-8 ▲ ○			8.4	46.5					8.0						
CB 60-8S ○	8.4														
CB 60-10S ○	10.5		49.5	11.0											
CB 70-6	6.4	20.5	51.0	12.0	20.0	19.0	17.8	13.5	60.57	2/0	NOP 150HA NOM 150		25		
CB 70-8	8.4								76.28		NOP 700 NOM 2500A NOM 3000	NOH 300K			
CB 70-10	10.5														
CB 70-12	13.0														
CB 80-8	8.4	22.0	50.0	11.0	20.0	19.0	19.6	14.5	76.28	3/0	NOP 150HA NOM 150		50		
CB 80-8S			49.0	10.0					96.3		NOP 700 NOM 2500A NOM 3000	NOH 300K			
CB 80-10			10.5	50.0					11.0						
CB 80-10S	10.5														
CB 80-12S	13.0		49.0	10.0											
CB 100-8 ▲	8.4	22.0	52.0	11.0	22.0	19.0	22.5	16.4	96.3	4/0	NOP 150HA NOM 150		50		
CB 100-8S			53.0	12.0					117.2		NOP 700 NOM 2500A NOM 3000	NOH 300K			
CB 100-10 ▲			10.5	52.0					11.0						
CB 100-10S	10.5														
CB 100-12S	13.0		53.0	12.0											
CB 150-8 ▲	8.4	22.0	60.3	11.0	22.3	27.0	26.6	19.5	117.2	250-300 MCM	NOP 150HA NOM 150		20		
CB 150-8S			61.3	12.0					152.05		NOP 700 NOM 2500A NOM 3000	NOH 300K			
CB 150-10S			10.5	25.0					61.8		12.5				
CB 150-10 ▲	10.5														
CB 150-12S	13.0	22.0	61.3	12.0											
CB 200-10S	10.5	36.0	72.0	19.0	22.3	30.7	32.9	24.0	192.6	400 MCM	NOP 700 NOM 2500A NOM 3000		10		
CB 200-12S	13.0								242.27		NOP 700 NOM 2500A NOM 3000	NOH 300K			
CB 250-8	8.4	40.0	81.2	17.0	31.0	33.2	35.6	26.5	250	—	NOP 700 NOM 2500A NOM 3000		10		
CB 250-10	10.5								*NOH 300K						
CB 250-12	13.0														
CB 325-12S	13.0	38.5	85.5	17.0	32.0	36.5	37.8	28.0	242.27	500-600 MCM	NOP 700 NOM 2500A NOM 3000		10		
CB 325-12		44.0							325		NOH 300K				

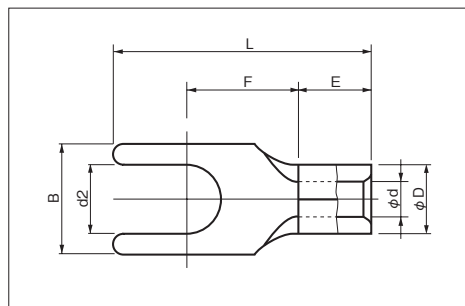
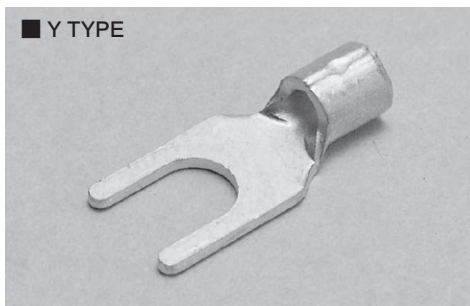
NOTE

- : UL, CSA ▲ : JEMA standards (Japan Electrical Manufacturers' Association)
- Refer to page 14 for UL/CSA and proper strip length of wire.
- Please use the dies for 325mm², to crimp CB 250-* with NOH 300K.
- REC-Li250M (Maxell Izumi Co., Ltd.) is also available for CB 250-8, CB 250-10, CB 250-12 (250mm²).



SPADE TERMINALS (Y TYPE)

■ Y TYPE

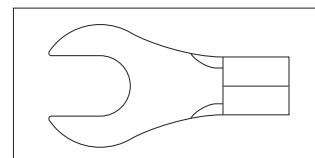


RoHS10

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PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.	
0.3Y-2 ○	2.2	5.2	12.0	4.9	4.5	2.2	1.0	-	0.2~0.5 0.3~0.5 UL·CSA USE	24-20 22-20 UL·CSA USE	NH 69		1,000 (100×10)
0.3Y-3 ○	3.2		4.9	5.8									
0.3Y-3.5N ○	3.7		5.8								15.0		
0.3Y-4N ○	4.3		6.4								6.6		
0.3Y-5 ○	5.3	8.0	15.5	7.0							NA 10 NA 3	N10 04 N3 70	
0.75Y-3 △	3.2	5.6	14.5	5.8	4.5	2.5	1.4	-	0.3 0.75	22-18	NH 69		1,000 (100×10)
0.75Y-3.5 △	3.7	5.8		5.8									
0.75Y-4 △	4.3	6.4		6.0									
1.25Y-2.5 ○	2.7	4.7	11.7	5.1	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69		1,000 (100×10)
1.25Y-3K ○	3.2	5.6	15.0	5.8									
1.25Y-3S ○		5.7	11.9	4.8									
1.25Y-3 ○		5.8	15.0	5.8									
1.25Y-3N ○	3.7	5.8	16.0	6.6									
1.25Y-3.5K ○			15.0	5.8									
1.25Y-3.5 ○			16.0	6.8									
1.25Y-3L ○			16.4	6.6									
1.25Y-4N ○	4.3	7.0	6.6	7.6									
1.25Y-4S ○			7.0	7.6									
1.25Y-4M ○			8.1	7.5									
1.25Y-4L ○	5.3	9.6	17.5	8.3									
1.25Y-5 ○			17.5	8.3									
1.25Y-6 ○	6.4	11.0	19.0	8.6									
2Y-3S ※	3.2	5.6	15.8	6.6	4.5	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 NH 9 NH 61A NH 69		1,000 (100×10)
2Y-3 ○		5.9											
2Y-3.5K ※	3.7	5.6											
2Y-3.5S ○		5.8											
2Y-3.5 ○		6.4											
2Y-3.5L ○	4.3	7.0									7.6		
2Y-4N ○											6.6		
2Y-4S ○	8.0	16.0									7.0		
2Y-4 ○											7.1		
2Y-4M ○	5.3	10.0									17.1	8.7	
2Y-5 ○			16.0	7.1									
2Y-5M ○			17.1	8.7									
2Y-5L ○			18.0	8.5									
2Y-6 ○	6.4	12.0	20.0	8.6									
2Y-8 ○			22.0	11.5									

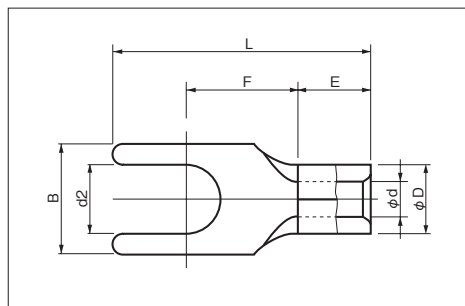
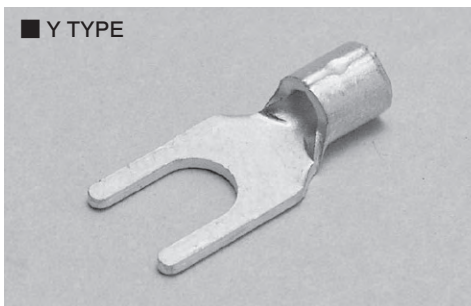
- NOTE 1) ○ : UL, CSA △ : UL
 2) Refer to page 14 for UL/CSA and proper strip length of wire.
 3) Tongue shape of 1.25Y-3S/14Y-6/14Y-8 is shown on the right.
 4) Current, tensile length, etc. are rated lower than other terminals of the same wire size (Refer to page 143)





SPADE TERMINALS (Y TYPE)

■ Y TYPE



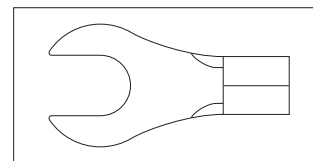
A

RoHS10

See page 2

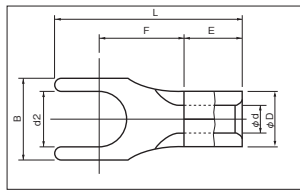
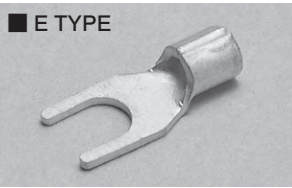
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	φD	φd	SOLID mm	STRAINED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
3.5Y-4 ○	4.3	8.0	18.0	7.2	6.0	5.1	3.0	1.82	2.63	12	NA 10 NA 3	NH 1 NH 9 N10 03 N3 7	1,000 (100×10)
3.5Y-5 ○	5.3	9.5	20.0	8.3				2.4	4.6				
3.5Y-6 ○	6.4	12.0	22.0	9.8									
5.5Y-3.5N	3.7	7.0	17.0	7.2	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NA 10 NA 3	NH 1 NH 9 N10 03 N3 7	1,000 (100×10)
5.5Y-4S ○	4.3	8.4	18.2										
5.5Y-4 ○	5.2	9.0											
5.5Y-5 ○	5.2	9.0	12.0										
5.5Y-6 ○	6.4	12.5	25.2									12.0	
5.5Y-8	8.4	15	28.2									14.2	
8Y-5 ○	5.3	12.0	24.0	8.6	8.4	7.1	4.5	2.89	6.64	8	NA 10 NA 3	NH 1, NH 9 NOP 60, NOM 60 N20 08	100
8Y-6 ○	6.4							10.52					
14Y-6	6.4	16.0	31.7	14.5	10.0	9.0	5.8	-	10.52	6	NA 20	NH 9, NOP 60 NOM 60, NOP 150HA N20 14	100
14Y-8	8.4		31.2						16.78				

NOTE 1) ○ : UL, CSA 2) Refer to page 14 for UL/CSA and proper strip length of wire.
3) Tongue shape of 1.25Y-3S/14Y-6/14Y-8 is shown on the right.





SPADE TERMINALS (Y TYPE)

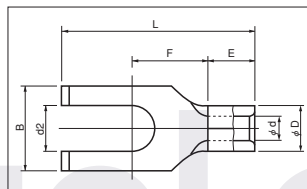


RoHS10

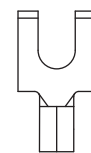
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No.	DIES No.	
1.25Y-3NE	3.2	5.8	14.0	6.6	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61A NA 10 NA 3	NH 69 N10 01 N3 7	1,000 (100×10)
1.25Y-3LE	3.7	6.2		6.8									
1.25Y-4NE	4.3	6.4		14.5									
2Y-3E	3.2	5.9	14.0	6.6	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 · NH 9 NH 61A · NH 69 NA 10 NA 3	N10 02 N3 7	1,000 (100×10)
2Y-3.5E	3.7	6.4	14.5										
2Y-4NE	4.3												
8Y-5E	5.3	10.5	21.0	8.6	8.4	7.1	4.5	2.89	6.64	8	NH 1 NH 9 NOP 60 NOM 60 NA 20	N20 08	100
8Y-6E	6.4												

E type spade fits DIN type terminal block.



Shape



1.25mm²

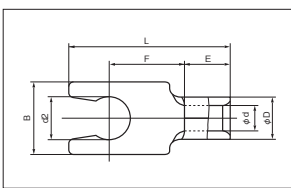
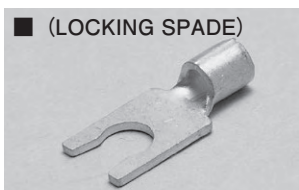


2mm²

RoHS10

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No.	DIES No.	
1.25Y-3W ○	3.7	7.7	14.0	5.6	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61A NA 10 NA 3	NH 69 N10 01 N3 7	1,000 (100×10)
1.25Y-4W ○	4.3												
1.25Y-5W ○	5.3												
2Y-3W ○	3.7	8.0	18.5	7.3	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 · NH 9 NH 61A · NH 69 NA 10 NA 3	N10 02 N3 7	1,000 (100×10)
2Y-4W ○	4.3												
2Y-5W ○	5.3												



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No.	DIES No.	
1.25LY-3S ○	3.2	6.4	14.0	6.6	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61A NA 10 NA 3	NH 69 N10 01 N3 7	1,000 (100×10)
1.25LY-3.5S ○	3.7												
1.25LY-4S ○	4.3												
1.25LY-5S ○	5.3	8.4	17.0	8.5	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 · NH 9 NH 61A · NH 69 NA 10 NA 3	N10 02 N3 7	1,000 (100×10)
2LY-3S ○	3.2	6.4	14.0	6.6									
2LY-3.5S ○	3.7												
2LY-4S ○	4.3	7.1	16.0	7.6	4.5	5.6	3.4	1.82	2.63	12-10	NH 1 NH 9 NA 10 NA 3	N10 03 N3 7	1,000 (100×10)
2LY-5S ○	5.3	8.4	17.0	8.5									
5.5LY-3.5S ○	3.7	7.9	18.2	7.6									
5.5LY-4S ○	4.3												
5.5LY-5S ○	5.3												

NOTE

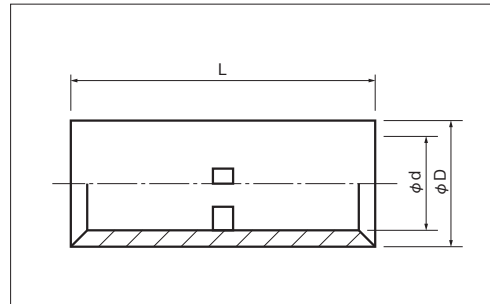
- : UL, CSA
- Refer to page 14 for UL/CSA and proper strip length of wire.

SLEEVES (B TYPE)

■ BUTT

JIS C 2806

■ BUTT CONNECTOR



RoHS10
See page 2

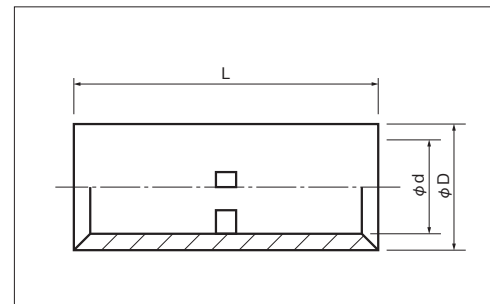
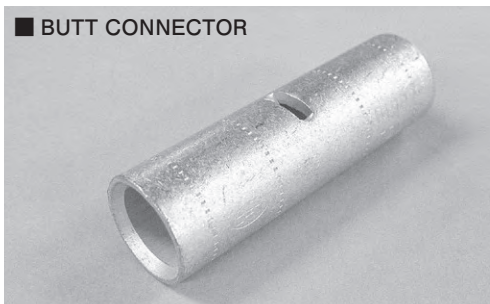
PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.	STD QTY/BOX
	L	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM		
B 0.5 ○	11.5	2.6	1.4	0.57~0.7	0.25~0.75	22-18	NH 69	1000 (100×10)
B 1.25 ●	15.0	3.3	1.8	0.57~1.44	0.25~1.65	22-16	NH 1 · NH 61A · NH 69	
B 2 ●		4.1	2.3	1.14~1.82	1.04~2.63	16-14	NH 1 · NH 9 · NH 61A · NH 69	
B 5.5 ●		5.4	3.5	1.82~2.89	2.63~6.64	12-10	NH 1 · NH 9	
B 8 ●	21.0	7.0	4.5	2.89~3.65	6.64~10.52	8	NH 1 · NH 9 · NOP 60	100
B 14 ●	26.0	8.9	5.8	-	10.52~16.78	6	NH 9 · NOP 60 · NOM 150 · NOP 150HA	
B 22 ●	29.0	11.3	7.7		16.78~26.66	4	NOP 60 · NOM 150 · NOP 150HA	
B 38 ●	32.0	13.2	9.4		26.66~42.42	2	NOP 60 · NOM 150 · NOP 150HA	
B 60 ●	36.0	15.3	11.4		42.42~60.57	1/0	NOP 60 · NOM 150 · NOP 150HA · NOH 300K (Head)	50
B 70 ○		17.5	13.3	60.57~76.28	2/0	NOM 150 · NOP 150HA · NOH 300K (Head)		
B 80 ○	38.0	19.5	14.5	76.28~96.3	3/0			
B 100 ●		22.1	16.4	96.3~117.2	4/0			
B 150 ●	54.0	26.4	19.5	117.2~152.05	250-300MCM	NOH 300K (Head)	10	
B 180 ○	55.0	28.5	21.0	152.05~192.6	300-350MCM			
B 200 ●	63.0	32.4	24.0	192.6~242.27	400MCM	*NOH 300K (Head)	5	
B 250 ○	72.0	35.0	26.5	250	-			
B 325 ●		37.0	28.0	242.27~325	500-600MCM			

NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA 2) Refer to page 14 for UL/CSA and proper strip length of wire.
- 3) See page 145 for NA 3, NA 10, NA 20 air crimping tool. 4) *NOH 300K (Head) requires hydraulic pump.
- 5) Please use the dies for 325mmφ, to crimp B 250 with NOH 300K.
- 6) REC-Li250M (Maxell Izumi Co., Ltd.) is also available for B 250 (250mmφ).

■ BUTT (EXTRA LONG)

■ BUTT CONNECTOR

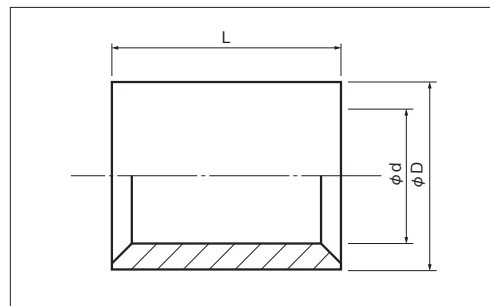


RoHS10
See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.	STD QTY/BOX
	L	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM		
B 22-40L	40.0	11.3	7.7	-	16.78~26.66	4	SAME AS STANDARD BUTT CONNECTOR TOOL.	50
B 38-40L		13.2	9.4		26.66~42.42	2		50
B 60-72L	72.0	15.3	11.4		42.42~60.57	1/0		40
B 100-72L		22.1	16.4		96.3~117.2	4/0		20
B 150-72L		26.4	19.5		117.2~152.05	250-300MCM		15
B 200-72L		32.4	24.0		192.6~242.27	400MCM		10

SLEEVES (P TYPE)

JIS C 2806



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE		TOOL No.	STD QTY/BOX
	L	φD	φd	STRANDED mm ²	AWG MCM		
P 0.5 ○	8.0	2.6	1.4	0.25~0.75	22-18	NH 69	1,000 (100×10)
P 1.25 ○		3.3	1.8	0.25~1.65	22-16	NH 1 · NH 61A · NH 69	
P 2 ●		4.1	2.3	1.04~2.63	16-14	NH 1 · NH 9 · NH 61A · NH 69	
P 5.5 ●	8.5	5.4	3.5	2.63~6.64	12-10	NH 1 · NH 9	
P 8 ●	9.5	7.0	4.5	6.64~10.52	8	NH 1 · NH 9 · NOP 60	
P 14 ●	11.0	8.9	5.8	10.52~16.78	6	NH 9 · NOP 60 · NOM 150 · NOP150HA	100
P 22 ●	13.5	11.3	7.7	16.78~26.66	4	NOP 60 · NOM 150 · NOP 150HA	
P 38 ●	16.5	13.2	9.4	26.66~42.42	2		50
P 60 ●	19.0	15.3	11.4	42.42~60.57	1/0	NOP 60 · NOM 150 · NOP 150HA · NOH 300K (Head)	
P 70 ●		17.5	13.3	60.57~76.28	2/0	NOM 150 · NOP 150HA · NOH 300K (Head)	
P 80 ●	19.5	19.5	14.5	76.28~96.3	3/0		
P 100 ●	20.0	22.1	16.4	96.3~117.2	4/0		
P 150 ●	27.0	26.4	19.5	117.2~152.05	250-300MCM		20
P 180 ●	28.5	28.5	21.0	152.05~192.6	300-350MCM		
P 200 ●	32.0	32.4	24.0	192.6~242.27	400MCM	NOH 300K (Head)	10
P 250 ●	36.2	35.6	26.8	250	—	* NOH 300K (Head)	10
P 325 ●	37.0	37.0	28.0	242.27~325	500-600MCM	NOH 300K (Head)	5

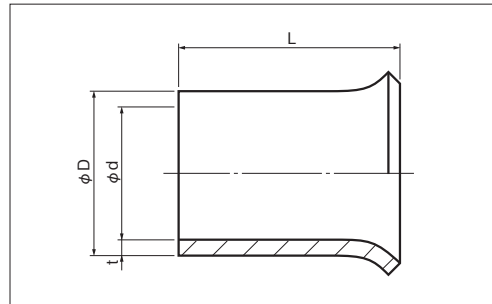
NOTE

- 1) ● : JIS, UL·CSA ○ : UL·CSA △ : UL
- 2) Refer to page 14 for UL/CSA and proper strip length of wire.
- 3) See page 145 for NA 3, NA 10, NA 20 air crimping tool.
- 4) *NOH 300K (Head) requires hydraulic pump.
- 5) Please use the dies for 325mmφ, to crimp P 250 with NOH 300K.
- 6) REC-Li250M (Maxell Izumi Co., Ltd.) is also available for P 250 (250mmφ).



OPEN END CONNECTORS (E TYPE)

JIS C 2806



RoHS10
See page 2

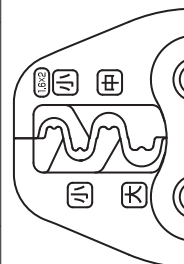
PART NUMBER	DIMENSIONS mm				RATED CURRENT A	TOOL No.	STD QTY/BOX
	L	φD	φd	t		HAND TOOL No.	
E-S ●	10.5	5.0	4.0	0.5	20	NHE 4	1,000 (100×10)
E-M ●		6.9	5.3	0.8	30		
E-L ●		7.7	6.1				

NOTE

- 1) ● : JIS
- 2) Use only in an electrical joint box

EXAMPLE OF WIRE COMBINATIONS

PART NUMBER	OPEN END CONNECTORS			In case of different wire size (mm)	Die indication
	φ1.6(mm)	φ2.0(mm)	φ2.6(mm)		
E-S	2	—	—	1.6×1+0.75mm ² ×1 1.6×2+0.75mm ² ×1	1.6×2 小
	3~4	2	—	2.0×1+1.6×1~2	小
E-M	5~6	3~4	2	2.0×1+1.6×3~5 2.0×2+1.6×1~3 2.0×3+1.6×1 2.6×1+1.6×1~3 2.6×1+2.0×1~2 2.6×2+1.6×1 2.6×1+2.0×1+1.6×1~2	中
E-L	7	5	3	2.0×1+1.6×6 2.0×2+1.6×4 2.0×3+1.6×2 2.0×4+1.6×1 2.6×1+2.0×3 2.6×2+1.6×2 2.6×2+2.0×1 2.6×1+2.0×2+1.6×1	大



NHE 4

END CAP



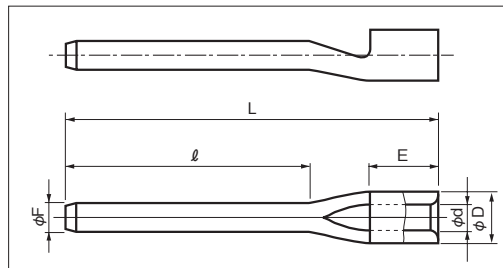
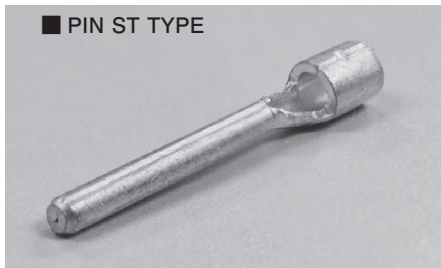
END V-S(For E-S) END V-L(For E-M & E-L)

See detail on page 134.

A

PIN TERMINALS (TC TYPE)

■ PIN ST TYPE

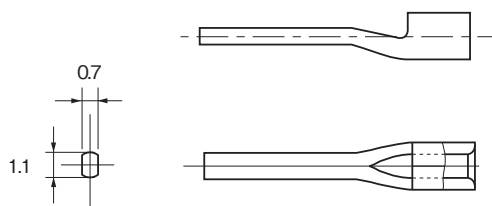


RoHS 10
See page 2

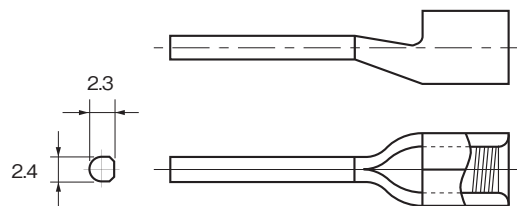
PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No		STD QTY/BOX	
	ϕF	l	L	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TC 0.75-13.5K-ST Δ	* (1)	13.5	21.5	4.5	2.5	1.4	-	0.3 0.75	22-18	NH 69 NA 10 NA 3	N10 05 N3 69	1,000 (100×10)	
TC 1.25-11S-ST	1.5	11.0	19.5	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69	NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 1.25-11V-ST	1.9												
TC 1.25-16V-ST	1.9	16.0	24.5	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69	NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 1.25-18S-ST	1.5	18.0	26.5										
TC 1.25-20S-ST	1.5	20.0	28.5	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69	NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 2-11V-ST	1.9	11.0	19.5										
TC 2-16V-ST	1.9	16.0	24.5	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A NH 69	NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 2-18V-ST	1.9	18.0	26.5										
TC 5.5-15-ST	1.9	15.0	26.5	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9	NA 10 NA 3	N10 03 N3 7	1,000 (100×10)
TC 5.5-21-ST		21.0	32.5										
TC 8-18-ST	* (2)	18.0	33.0	8.4	7.1	4.5	2.89 3.65	6.64 10.52	8	NH 1 NH 9 NOP 60 NPM 60	NA 20	N20 8	500 (50×10)

No Pin edge chamfering for TC 0.75-13.5K-ST / 1.25-18S-ST / TC 2-18V-ST / 5.5-15-ST / 8-18-ST

Pin shape *(1)TC 0.75-13.5K-ST



Pin shape *(2)TC 8-18-ST

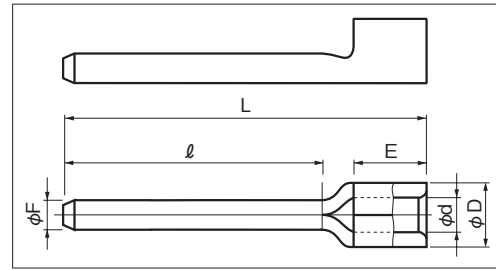


NOTE

- 1) Δ : UL
- 2) Refer to page 14 for UL/CSA and proper strip length of wire.
- 3) Refer to page 38 for insulation cap.



PIN TERMINALS (TC TYPE)



RoHS10
See page 2

A

PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		STD QTY/BOX
	φF	l	L	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.	
TC 0.3-9.5 ○	1.0	9.5	15.3	4.5	2.2	1.0	—	0.2~0.5 0.3~0.5 UL·CSA USE	24~20 22~20 UL·CSA USE	NH 69		1,000
TC 1.25-11 ○	1.9	11.0	17.5	4.5	3.4	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	NH 1 NH 61A NH 69		1,000 (100×10)
TC 1.25-11S ○	1.5									NA 3	N3 70	
TC 1.25-16 ○	1.9	16.0	22.0									
TC 1.25-16S ○	1.5									NA 10	N10 01	
TC 1.25-20 ○	1.9	20.0	26.0									
TC 1.25-20S ○	1.5									NA 3	N3 7	
TC 2-11 ○	1.9	11.0	17.5	4.5	4.2	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	NH 1 NH 9 NH 61A NH 69		1,000 (100×10)
TC 2-11S ○	1.5									NA 10	N10 02	
TC 2-16 ○	1.9	16.0	22.0									
TC 2-16S ○	1.5									NA 3	N3 7	
TC 2-20 ○	1.9	20.0	26.0									
TC 2-20S ○	1.5									NA 10	N10 03	
TC 3.5-11S ○	1.9	11.0	21.0	6.0	5.1	3.0	1.82 ∩ 2.40	2.63 ∩ 4.60	12	NH 1 NH 9		1,000 (100×10)
TC 5.5-11 ○	2.7	11.0	21.0	6.5	5.6	3.4	1.82 ∩ 2.89	2.63 ∩ 6.64	12-10	NH 1 NH 9		1,000 (100×10)

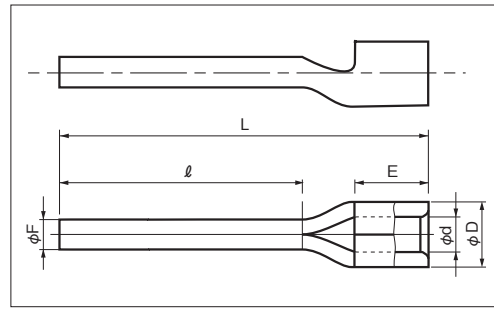
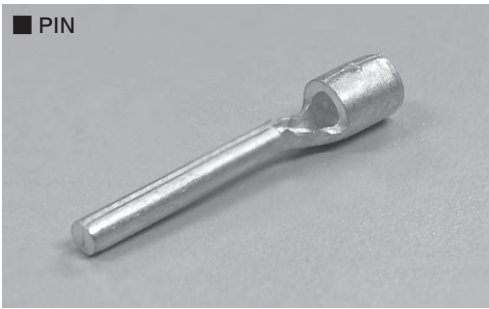
NOTE

- 1) ○ : UL, CSA
- 2) Refer to page 14 for UL/CSA and proper strip length of wire.
- 3) Refer to page 38 for insulation cap.



PIN TERMINALS WITH INSULATION CAPS

Pin terminal & Insulation cap is packed in package.



TERMINAL **RoHS 10**
CAP **RoHS 10**
See page 2

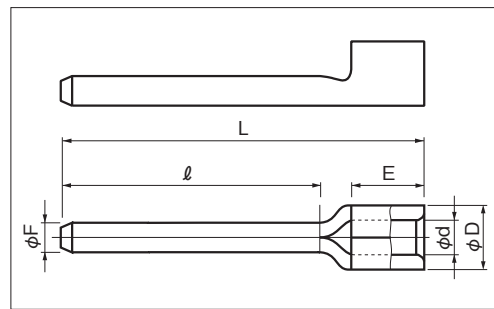
PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		CAP COLOR	STD QTY/BOX
	ϕF	l	L	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.			
TC 1.25-13.5V-ST-C	1.9	13.5	22.0	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61A NH 69	Red Translucent	1,000 (100 × 10)	
TC 1.25-16V-ST-C		16.0	24.5										
TC 1.25-18S-ST-C	1.5	18.0	26.5										
TC 2-13.5V-ST-C	1.9	13.5	22.0	4.2	2.3	1.14	1.04	16-14	NH 1 • NH 9 NH 61A • NH 69	Green Translucent			
TC 2-16V-ST-C		16.0	24.5										
TC 2-18V-ST-C		18.0	26.5										
TC 5.5-15-ST-C	1.9	15.0	26.5	6.5	5.6	1.82	2.63	12-10	NH 1 NH 9	Yellow Translucent	500 (50 × 10)		
TC 5.5-21-ST-C		21.0	32.5										
TC 8-18-ST-C	See P32	18.0	33.0	8.4	7.1	2.89	6.64	8	NH 1 NH 9 NOP 60 NOM 60	Green Translucent	50		

Ratings within rated temperature of the cap

Rated voltage / current : TC 1.25-13.5V-ST-C TC 2-13.5V-ST-C [600V / 20A]

TC 5.5-15ST-C TC 5.5-21ST-C [600V / 37A] TC 8-18ST-C [600V / 48A]

Material of cap : P.V.C. UL94V-0



TERMINAL **RoHS 10**
CAP **RoHS 10**
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		CAP COLOR	STD QTY/BOX
	ϕF	l	L	E	ϕD	ϕd	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.			
TC 235-16S-C	1.9	16.0	25.0	6.0	5.6	3.0	2.0~3.5	14-12	NH 1 NH 9	Yellow Translucent	500 (100 × 5)	

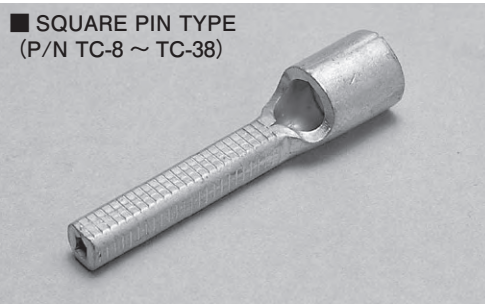
Ratings within rated temperature of the cap

Rated voltage / current : 600V/20A

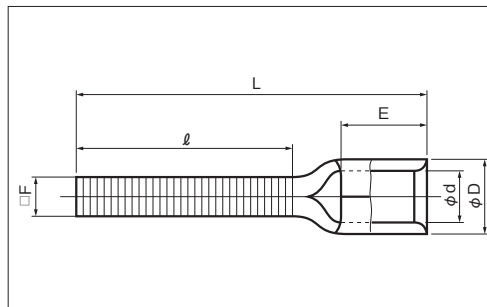
Material of cap : P.V.C. UL94V-0



PIN TERMINALS (TC TYPE) with CAP



■ SQUARE PIN TYPE
(P/N TC-8 ~ TC-38)



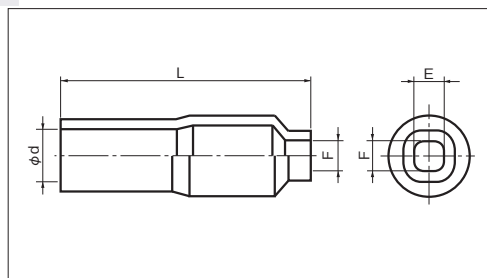
TERMINAL **RoHS10**
See page 2

Supplied with cap.

PART NUMBER	DIMENSIONS mm					WIRE RANGE			TOOL No.		STD QTY/BOX
	□F	l	L	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.	
TC 8-S-C	3.5	20.0	33.5	8.4	7.1	3.5	1.82	2.63	12-10	NH 1, NH 9 NOP 60, NOM 60	50
TC 8-C						4.5	2.89	6.64			
TC 14S-C	3.5	25.0	40.5	10.0	9.0	5.8	-	10.52	6	NH 9, NOP 60 NOM 60, NOP 150HA NOM 150	50
TC 14-C	4.5					5.8	-	16.78			
TC 22S-C	3.5	28.0	47.0	12.0	11.5	7.7	-	16.78	4	NOP 60 NOM 60 NOP 150HA NOM 150	50
TC 22-C	6.5					7.7	-	26.66			
TC 38-C	6.9	30.0	50.0	13.0	13.3	9.4	-	26.66	2	NOP 60 NOM 60 NOP 150HA NOM 150	50
TC 60-C	6.9	30.0	60.0	18.5	15.6	11.4	-	42.42			



■ VC CAP for non-insulated pin terminals



CAP **RoHS10**
See page 2

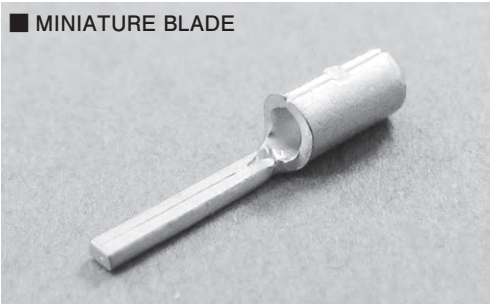
Dimensions are of caps enclosed with Pin terminals. Sold only with Pin terminals.

PART NUMBER	DIMENSIONS mm				APPLICABLE TERMINAL PART NUMBER
	φd	E	F	L	
VC 8	6.5	3.5	3.5	30.5	TC 8S TC 8
VC 14	8.5	4.5	4.5	37	TC 14S TC 14
VC 22S	10	3.5	3.5	53	TC 22S
VC 22	10	6.5	6.5	50	TC 22
VC 38	12	6.9	6.9	58	TC 38
VC 60	14.5	6.9	6.9	61	TC 60

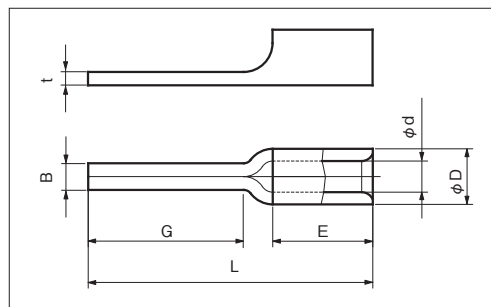
- MATERIAL : P.V.C.
- RATED VOLTAGE : 600V **[NOTE]** Translucency may not remain when applied to EP rubber insulated wire.
- COLOR : Transparent
- MAX. TEMPERATURE : 60°C



BLADE TERMINALS (BT TYPE)



MINIATURE BLADE



TERMINAL **RoHS10**

CAP **RoHS10**

See page 2

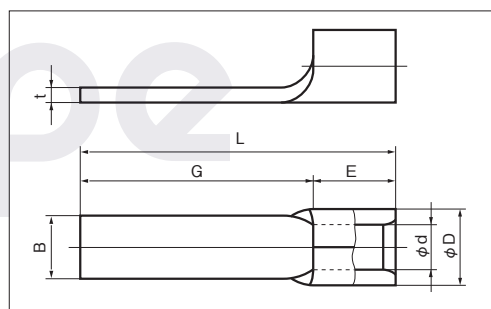
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX	
	B	t	L	G	E	ϕD	ϕd	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.		
BT 0.3-9	1.2	0.7	14.7	9.0	4.5	2.2	1.0	0.2~0.5	24-20	NH 69		100×10 (1,000)
BT 0.3-11			16.7	11.0						NA 10 NA 3	N10 04 N3 69	
BT 0.75-7 △	1.2	0.7	12.8	7.0	4.5	2.5	1.4	0.3~0.75	22-18	NH 69		100×10 (1,000)
BT 0.75-11 △			16.8	11.0						NA 10 NA 3	N10 05 N3 69	

PART NUMBER	CONTENT
BT 0.3-9-C	BT 0.3-9 (50pcs) +VC 0.75 (50pcs)
BT 0.3-11-C	BT 0.3-11 (50pcs) +VC 0.75 (50pcs)
BT 0.75-7-C	BT 0.75-7 (100pcs) +VC 0.75 (100pcs)
BT 0.75-11-C	BT 0.75-11 (100pcs) +VC 0.75 (100pcs)

Blade terminal with cap



BLADE



RoHS10

See page 2

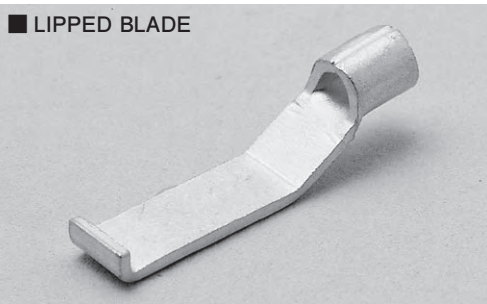
PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		STD QTY/BOX	
	B	t	L	G	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.		
BT 1.25-7.5	1.0	0.75	15.5	11.0	4.5	3.4	1.7	0.57	0.25	22-16	NH 1		1,000 (100×10)
BT 1.25-9-1 ○	2.2		13.5	9.0							NA 10 NA 3	N10 01 N3 7	
BT 1.25-9 ○	2.8		13.6	9.1							NH 61A	NH 69	
BT 1.25-10-1 ○	2.2		15.0	10.5									
BT 1.25-10 ○	3.4		14.8	10.3							NH 1	NH 9	
BT 1.25-11 ○	3.0		15.7	11.2									
BT 1.25-13	3.4		17.5	13.0							NA 10 NA 3	N10 02 N3 7	
BT 1.25-13-1	2.2												
BT 1.25-14 ○	3.0		19.1	14.6							NH 1	NH 9	
BT 1.25-18 ○	2.2		23.0	18.5									
BT 2-9-1 ○	2.2	0.85	13.5	9.0	4.5	4.2	2.3	1.14	1.04	16-14	NH 1		1,000 (100×10)
BT 2-9 ○	2.8		13.6	9.1							NA 10 NA 3	N10 02 N3 7	
BT 2-13 ○	4.6		17.5	13.0									
BT 2-13-1	2.2												
BT 2-18 ○	2.2	23.0	18.5	NH 1	NH 9								
BT 5.5-10 ○	2.8	0.95	16.5			10.0	6.5	5.6	3.4	1.82	2.63	12-10	NH 1
BT 5.5-13 ○	4.5		19.5	13.0	NA 10 NA 3	N10 03 N3 7							
BT 5.5-13-1	2.8												
BT 5.5-18 ○	4.5		24.5	18.0									

NOTE

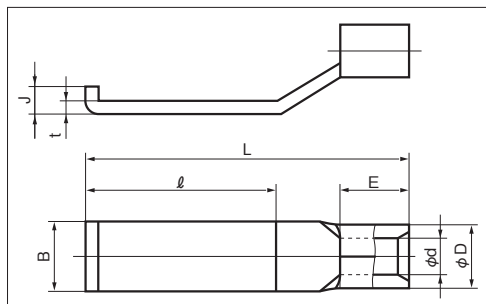
- : UL, CSA △ : UL
- Refer to page 14 for UL/CSA and proper strip length of wire.
- BT 1.25-7.5 : Due to narrow blade width, specifications differ from other blade terminals.



BLADE TERMINALS (BT TYPE)



■ LIPPED BLADE



RoHS10

See page 2

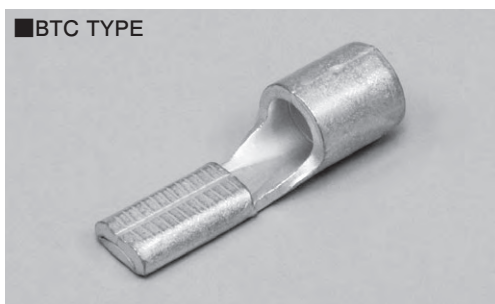
PART NUMBER		DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
		B	t	l	L	J	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
BT 1.25-17	○	3.0	0.75	12.7	21.5	2.25	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61A · NH 69 NA 10 N10 01 NA 3 N3 7		1,000 (100×10)
BT 2-17	○	3.0	0.85	12.7	21.5	2.30	4.5	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 · NH 9 NH 61A · NH 69 NA 10 N10 02 NA 3 N3 7		1,000 (100×10)
BT 5.5-17-1	○	4.6	0.95	12.7	23.5	2.45	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9 NA 10 N10 03 NA 3 N3 7		1,000 (100×10)

NOTE

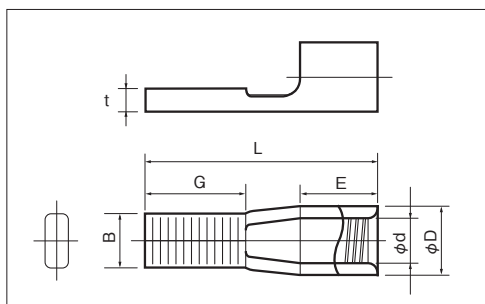
- : UL, CSA
- Refer to page 14 for UL/CSA and proper strip length of wire.



BLADE TERMINALS (BTC TYPE)



■ BTC TYPE



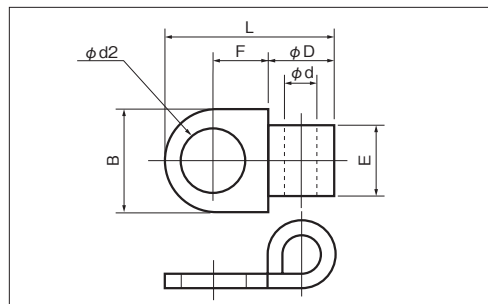
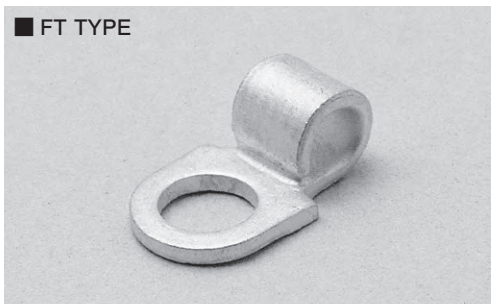
RoHS10

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		Dies Selection	Mating TIC CAP	STD QTY/BOX
	B	t	L	G	E	φD	φd	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.			
BTC 10	7.0	(2.3)	26.4	11.0	8.4	7.1	4.5	6.64 10.52	8	NH 1, NH 9 NOP 60, NOM 60 NA 20 N20 8		8mm ²	TIC 8	100
BTC 16		(3.0)	30.0	13.0	10.0	9.0	5.8	10.52 16.78	6	NH 9, NOP 60, NOM 60 NOP 150HA, NOM 150 NA 20 N20 14		14mm ²	TIC 14	
BTC 25		(3.5)	36.0	17.0	12.0	11.6	7.7	16.78 26.66	4	NOP 60, NOM 60 NOP 150HA, NOM 150 NA 20 N20 22		22mm ²	TIC 22	

Rating BTC 10 : 61A / BTC 16 : 88A / BTC 25 : 115A

FLAG RING TERMINALS (FT TYPE)

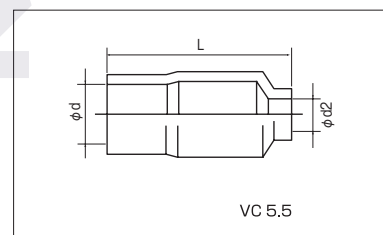
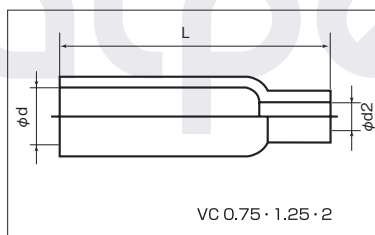


RoHS10

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD QTY/BOX
	$\phi d2$	B	L	F	E	ϕD	ϕd	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
FT 1-3	3.6	6.0	9.4	3.3	4.0	3.4	1.7	0.25 1.65	22-16	NH 20		1,000 (100×10)
FT 2-3	3.6	6.0	10.0	3.3	4.0	4.2	2.3	1.04 2.63	16-14	NH 20		1,000 (100×10)

INSULATION CAPS (VC TYPE)



RoHS10

See page 2

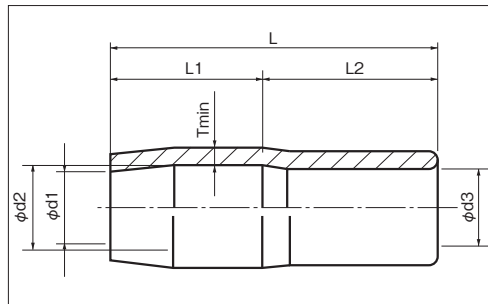
PART NUMBER	DIMENSIONS mm			APPLICABLE TERMINAL PART NUMBER	STD QTY/BAG
	ϕd	$\phi d2$	L		
VC 0.75	2.9	$\phi 1.0$	14.0	BT · TC 0.75	1,000
VC 1.25	3.3	$\phi 2.0$	16.5	TC 1.25	1,000
VC 2	4.0	$\phi 2.0$	19.0	TC 2	1,000
VC 5.5	5.2	$\phi 2.8$	16.0	TC 3.5 · 5.5	500

- MATERIAL : P.V.C.
- RATED VOLTAGE : 600V NOTE Color may change when applied to EP rubber insulated wire.
- COLOR : Transparent
- MAX. TEMPERATURE : 60°C



A

INSULATION CAPS



RoHS10
See page 2

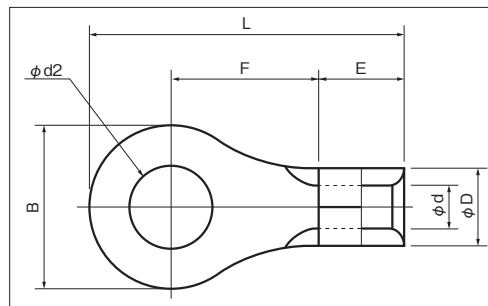
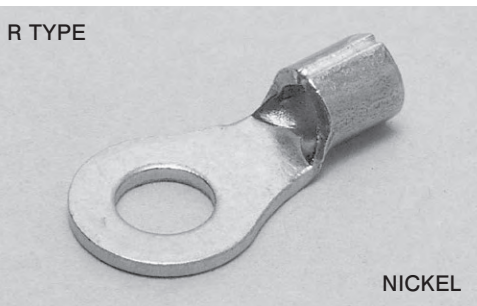
PART NUMBER	DIMENSIONS mm							APPLICABLE TERMINAL NOMINAL SIZE	STD QTY/BAG
	ϕ d1	ϕ d2	ϕ d3	L	L1	L2	T		
TIC 0.3	2.2	2.4	2.0	13.0	6.0	7.0	0.6	0.3 (Wire size 0.3mm ²)	1,000 (100×10)
TIC 0.5	2.2	2.6	2.6	13.0	—	—	0.6	0.3 (Wire size 0.5mm ²)	
TIC 0.75	2.2	2.9	2.9	13.0	—	—	0.6	0.75	
TIC 1.25	2.8	3.3	3.1	13.0	6.0	7.0	0.6	1.25	
TIC 2	3.5	4.0	3.6	14.0	7.5	6.5	0.7	2.0	
TIC 3.5	4.4	4.7	4.2	17.0	9.3	7.7	0.8	3.5	500 (100×5)
TIC 5.5	4.7	5.2	5.2	17.0	—	—	0.8	5.5	
TIC 8	5.8	6.8	6.2	19.0	11.3	7.7	1.0	8	100
TIC 14	7.8	9.2	8.0	24.0	13.2	10.8	1.1	14	
TIC 22	9.5	12.0	9.5	29.0	15.0	14.0	1.2	22	
TIC 38	11.8	14.0	11.8	33.0	17.0	16.0	1.5	38	
TIC 60	13.5	16.0	14.0	39.0	20.0	19.0	1.5	60	
TIC 80	16.0	19.0	16.0	46.0	25.0	21.0	1.6	80	50
TIC 100	18.0	22.0	18.0	54.0	30.0	24.0	1.7	100	
TIC 150	23.2	25.0	21.5	65.0	35.0	30.0	1.8	150	20
TIC 200	28.0	33.0	24.5	68.0	38.7	29.3	1.8	200	
TIC 250	32.7	37.5	27.0	73.0	42.0	31.0	2.0	250 325 (Wire size 250mm ²)	
TIC 325	32.2	37.5	30.1	75.0	42.5	32.5	2.0	325	

- MATERIAL : P.V.C.
- RATED VOLTAGE : 600V
- MAX. TEMPERATURE : 60°C
- COLOR : Red, White, Blue, Yellow,
Black, Green , Transparent , Gray & Brown.

NOTE Color may change when applied to EP rubber insulated wire.

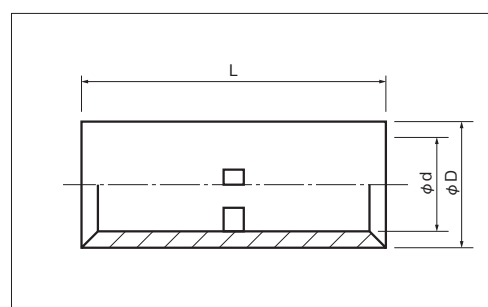
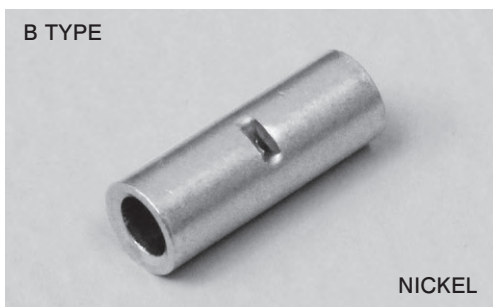


HIGH TEMPERATURE TERMINALS & SLEEVES (N TYPE)



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.	STD QTY/BOX			
	$\phi d2$	B	L	F	E	ϕD	ϕd	NICHROME/NICKEL SOLIDmm	NICKEL STRANDEDmm ²					
N 1.25-3	3.2	5.5	12.0	4.75	4.5	3.4	1.7	0.6~1.4	0.5~1.25	NH 1	1,000 (100x10)			
N 1.25-4	4.3	8.0	15.6	7.1										
N 1.25-5	5.3													
N 2-4	4.3	8.5	16.5	7.7	4.5	4.2	2.3	1.5~1.8	1.25~2	NH 1	1,000 (100x10)			
N 2-5	5.3	9.5	17.0											
N 2-6	6.4	12.0	21.5									11.0		
N 5.5-4	4.3	9.5	19.5	8.2	6.5	5.6	3.4	2.0~2.6	3.5~5.5	NH 1	1,000 (100x10)			
N 5.5-5	5.3													
N 5.5-6	6.4											12.0	23.0	10.5
N 5.5-8	8.4											15.0	28.0	14.0
N 8-5	5.3	12.0	23.5	9.1	8.4	7.1	4.5	2.9~3.5	—	NOP 60 NOM 60	1,000 (100x10)			
N 8-6	6.4													
N 8-8	8.4										15.0	29.5	13.6	
N 8-10	10.5													100
N 14-6	6.4	12.0	27.5	11.5	10.0	9.0	5.8	4.0~4.5	—	NOP 60 NOM 60 NOP 150H NOM 150	100			
N 14-8	8.4	16.0	32.5	14.5										
N 22-8	8.4	16.5	33.3	13.0	12.0	11.5	7.7	5.0~5.5	—	NOP 60 NOM 60 NOP 150H NOM 150	100			
N 38-10	10.5	22.0	42.3	18.3	13.0	13.3	9.4	6.0~6.5	—	NOP 60 NOM 60 NOP 150H NOM 150	100			



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE		TOOL No.	STD QTY/BOX
	L	ϕD	ϕd	NICHROME/NICKEL SOLIDmm	NICKEL STRANDEDmm ²		
NB 1.25	15.0	3.3	1.8	0.6~1.4	0.5~1.25	NH 1	1,000 (100x10)
NB 2		4.1	2.3	1.5~1.8	1.25~2		
NB 5.5		5.4	3.5	2.0~2.6	3.5~5.5		

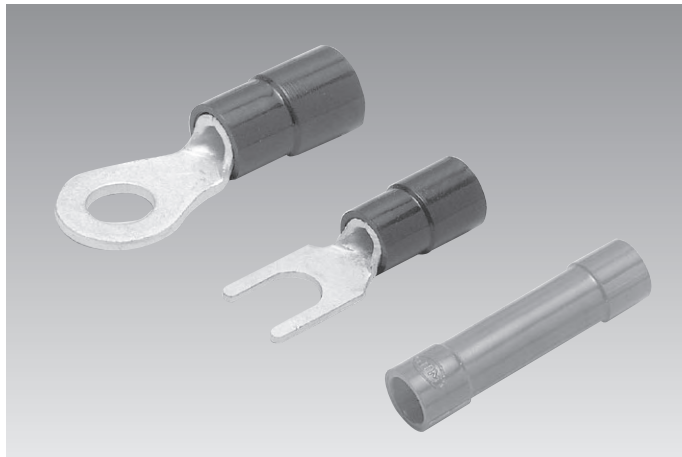
MATERIAL : NICKEL for 400°C MAX

NOTE

- 1) Same tools used for Copper Terminals & Sleeves although endurance is low with high temperature terminals.
- 2) Indicated wire range is size per wire for both single and stranded.



INSULATED TERMINALS & SLEEVES



SPECIFICATION

- MATERIAL** : Oxygen free copper strip/tube. (electro-tin-plated)
 Insulator : Polycarbonate/ Vinyl/Nylon
- RATED VOLTAGE** : 600V (Polycarbonate)
 300V (Vinyl/Nylon)
- RATED CURRENT** : Please see amperage rating table for insulated wires. page 143
- INSULATOR TEMPERATURE** : - 40°C~+ 125°C (Polycarbonate)
 - 40°C~+ 75°C (Vinyl)
 - 40°C~+ 105°C (Nylon)

STANDARDS

- Japanese Industrial Standards, JIS C2805
- UL486A-486B (File No. E44245)
- UL · C-UL (File No. E44245)
- CSA C22.2 (File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.

(NOTE)

APPLICABLE WIRE

Wire range and performance ratings comply with JIS standards wire (IV, KIV, VSF)

UL/C-UL/CSA

To have UL/CSA listed or certified, use proper Nichifu crimp tool. To find correct tool, see our tool selection page 138~142.

INSULATOR/COLOR

STANDARD COLOR				
	TME0.3/0.5	TME1.25	TME2	TME5.5
POLYCARBONATE	Yellow	Red	Blue	Yellow
VINYL	Yellow	Red	Blue	Yellow
NYLON	Yellow translucent	Red translucent	Blue translucent	Yellow translucent

WIRE STRIP LENGTH

A strip length should be approx. 2mm longer than crimp barrel length. (Conductor should come out 1mm from crimp barrel.)

NYLON PRODUCTS

①Due to greater water absorption rate than vinyl, keep unused parts in closed container. Consume as soon as possible

②See wire range of Nylon insulated terminal & sleeve.

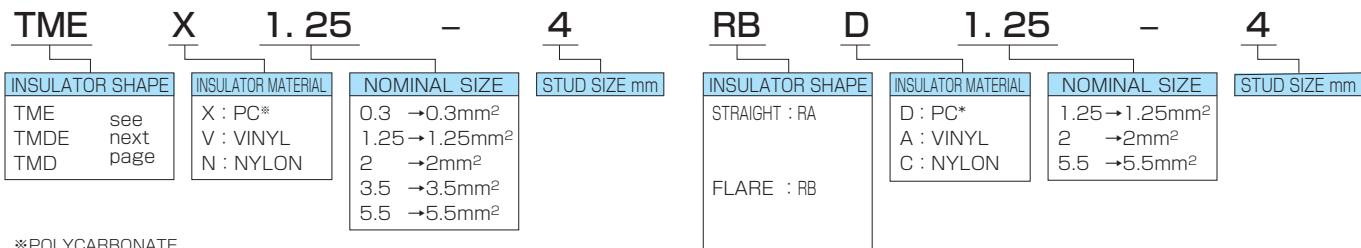
Terminal: 0.3~1.65mm² (AWG22-16)

Sleeve: 0.5~1.65mm² (AWG20-16)

STRUCTURE OF OUR PART NUMBER

NICHIFU P/N

JIS P/N



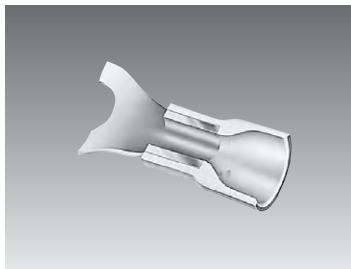
*POLYCARBONATE



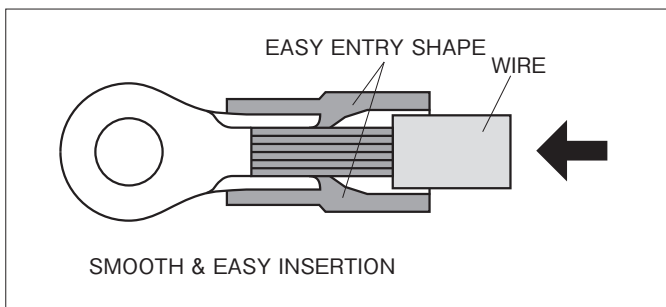
INSULATED TERMINALS & SLEEVES

SHAPE OF WIRE ENTRANCE

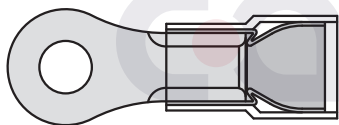
■ TME TYPE (EASY ENTRY)



Our TME insulated terminals are featured as easy entry structures which were innovated by NICHIFU. Wires can be easily inserted into the barrel. No need to twist.



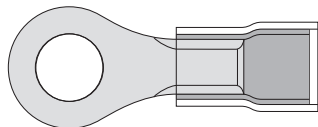
■ TMDEN TYPE (EASY ENTRY)



Nylon, easy entry, double grip terminals, anti-vibration. UL/CSA. Non-stock items.

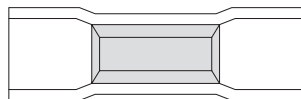
■ TMD TYPE

Double grip terminal, anti-vibration.

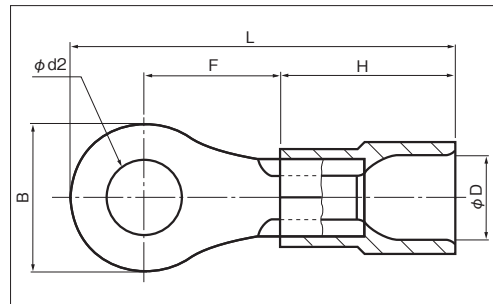


■ TM TYPE

Our insulated Butt/Parallel uses flared insulator.



ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (R TYPE)



RoHS10

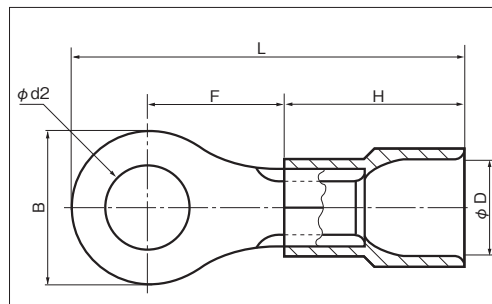
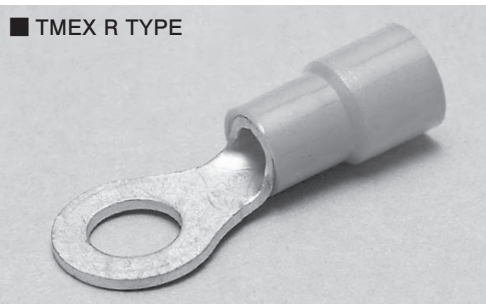
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	phi d2	B	L	F	H	phi D	STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TME 0.3-2 ○	2.2	5.2	17.5	4.9	10.0	2.8	0.2-0.5	24-20	NH 5		YELLOW	1,000 (100×10)
TME 0.3-3 ○	3.2		17.5	4.9					NH 32			
TME 0.3-3N ○	3.2		19.8	7.2					NA 10	N10 10		
TME 0.3-3.5 ○	3.7	6.6	20.5	7.2	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 0.3-4 ○	4.3	5.5	17.5	4.7					NH 32			
TME 0.3-5 ○	5.3	5.6	20.4	7.6					NA 10	N10 10		
TME 1.25-2 ○	2.2	5.5	17.5	4.7	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 1.25-2S ○	2.2	5.7	17.4	4.5					NH 32			
TME 1.25-3(RBD 1.25-3) ●	3.2	5.6	20.4	7.6					NA 10	N10 10		
TME 1.25-3N ○	3.2	5.7	17.4	4.5	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 1.25-3S ○	3.7	6.6	18.8	5.5					NH 32			
TME 1.25-3.5N ○	3.7	6.8	19.4	6.0					NA 10	N10 10		
TME 1.25-3.5S ○	3.7	5.6	20.4	7.6	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 1.25-3.5M ○	4.3	5.7	17.4	4.5					NH 32			
TME 1.25-3.5L ○	4.3	6.6	18.8	5.5					NA 10	N10 10		
TME 1.25-4S ○	4.3	6.8	19.4	6.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 1.25-4M ○	5.3	8.0	21.1	7.1					NH 32			
TME 1.25-4(RBD 1.25-4) ●	5.3	6.6	18.8	5.5					NA 10	N10 10		
TME 1.25-5(RBD 1.25-5) ●	5.3	6.8	19.4	6.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 1.25-6 ○	6.4	8.0	21.1	7.1					NH 32			
TME 1.25-8 ○	8.4	6.6	18.8	5.5					NA 10	N10 10		
TME 1.25-10 ○	10.5	6.8	19.4	6.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11		RED	1,000 (100×10)
TME 2-2 ○	2.2	6.5	18.2	4.9					NH 32			
TME 2-3N ○	3.2	5.6	20.4	7.6					NA 10	N10 10		
TME 2-3S ○	3.2	5.7	17.8	4.9	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-3 ○	3.2	6.5	18.2	4.9					NH 32			
TME 2-3.5N ○	3.7	5.6	20.4	7.6					NA 10	N10 10		
TME 2-3.5NS ○	3.7	6.5	18.2	4.9	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-3.5(RBD 2-3.5) ●	3.7	6.6	19.9	6.6					NH 32			
TME 2-3.5S ○	3.7	6.6	20.9	7.6					NA 10	N10 10		
TME 2-3.5M ○	3.7	8.0	21.5	7.5	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-4S ○	4.3	6.6	19.9	6.6					NH 32			
TME 2-4M ○	4.3	8.0	21.5	7.5					NA 10	N10 10		
TME 2-4(RBD 2-4) ●	4.3	8.5	22.0	7.7	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-5M ○	5.3	8.0	21.5	7.5					NH 32			
TME 2-5(RBD 2-5) ●	5.3	9.5	22.5	7.7					NA 10	N10 10		
TME 2-6(RBD 2-6) ●	6.4	12.0	27.0	11.0	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-8(RBD 2-8) ●	8.4	6.6	19.9	6.6					NH 32			
TME 2-10 ○	10.5	8.0	21.5	7.5					NA 10	N10 10		
TME 2-12 ○	13.0	19.0	34.0	14.5	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TME 2-10 ○	10.5	15.0	30.0	12.5					NH 32			
TME 2-12 ○	13.0	19.0	34.0	14.5					NA 10	N10 10		

NOTE

- : UL · C-UL
- Please refer to page 41 for proper strip length of wire
- Transparent insulator is also available.

ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (R TYPE)



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX	
	φ d2	B	L	F	H	φ D	STRANDED mm ²	AWG	HAND TOOL No.			TOOL BODY No.
TME 3.5-4S	4.3	7.0	25.5	8.0	14.0	6.3	2.63 } 4.6	12	NH 13		YELLOW	50
TME 3.5-4 ○		8.0	26.0									
TME 3.5-5N ※		8.0	26.0									
TME 3.5-5S ○	5.3	9.6	28.0	9.2	14.0	6.3	2.63 } 4.6	12	NH 13		YELLOW	50
TME 3.5-5L ○		12.0	29.4	9.4								
TME 3.5-6	6.4	9.6	28.0	9.2	14.0	6.3	2.63 } 4.6	12	NH 13		YELLOW	50
TME 3.5-6L ○		12.0	29.4	9.4								
TME 3.5-8 ○	8.4	13.5	33.5	12.7	14.0	6.3	2.63 } 4.6	12	NA 10 NA 3	N10 13 N3 13	YELLOW	50
TME 5.5-3M ※ ○	3.2	6.5	24.4	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-3N ※ ○		7.0	24.7									
TME 5.5-3S ※ ○		9.0	25.7									
TME 5.5-3.5N ※ ○	3.7	7.0	24.7	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-3.5S ※ ○		9.0	25.7									
TME 5.5-3.5 ○	4.3	9.5	27.0	8.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-4N ※ ○		7.0	24.7	7.2								
TME 5.5-4S ※ ○	5.3	9.0	25.7	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-4 (RBD 5.5-4) ●		9.5	27.0						8.2			
TME 5.5-5N ※ ○	5.3	8.0	25.2	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-5S ※ ○		9.0	25.7									
TME 5.5-5 (RBD 5.5-5) ●	6.4	9.5	27.0	8.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-6S ※		9.0	30.5	12.0								
TME 5.5-6 (RBD 5.5-6) ●	8.4	12.0	30.5	10.5	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-8S ※		13.2	29.6	9.0								
TME 5.5-8 (RBD 5.5-8) ●	10.5	15.0	35.5	14.0	14.0	6.8	2.63 } 6.64	12-10	NH 13		YELLOW	50
TME 5.5-10 (RBD 5.5-10) ●		15.0	35.5	14.0								
TME 5.5-12 ○	13.0	19.2	40.0	16.4	14.0	6.8	2.63 } 6.64	12-10	NA 10 NA 3	N10 13 N3 13	YELLOW	25
TME 5.5-14 ○	15.0	22.0	43.0	18.0	14.0	6.8	2.63 } 6.64	12-10	NA 10 NA 3	N10 13 N3 13	YELLOW	25

NOTE

- : UL · C-UL
- Please refer to page 41 for proper strip length of wire
- Transparent insulator is also available.
- ※Specification is partly different from other ring terminals.

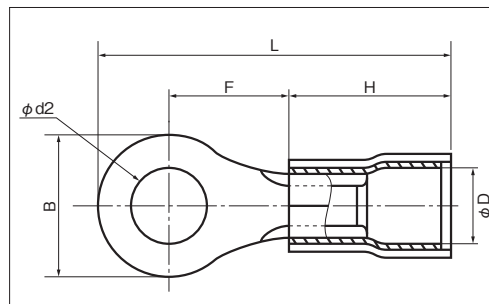
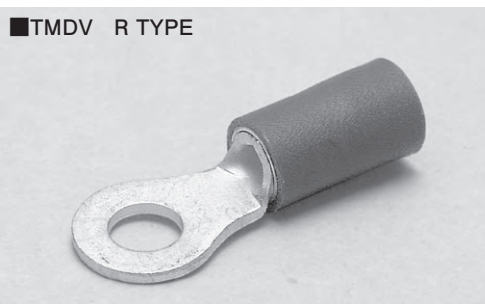
FEATURES

- Excellent for insulation with Rated Voltage of 600V
- Temperature range: -40°C ~ 125°C
- Its polycarbonate material will not generate poisonous halogenic gas and/or corrosive gas when combusted.
- RoHS SOC 10 Compliant.
- 2 Standard colors available for each size:
1.25mm²(red & clear)·2mm²(blue & clear)·5.5mm²(yellow & clear)



INSULATED RING TERMINALS WITH EXTRA COPPER SLEEVE (R TYPE)

TMDV : Vinyl



RoHS 6
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMDV 1.25-2 ○	2.2	5.5	17.5	4.7	10.0	4.0	0.3 } 1.65	22-16	NH 11 NH 32	RED	1,000 (100×10)	
TMDV 1.25-2S ○		5.7	17.4	4.5								
TMDV 1.25-3 ○	3.2	5.5	17.5	4.7								
TMDV 1.25-3N ○		5.6	20.4	7.6								
TMDV 1.25-3S ○	3.7	5.7	17.4	4.5								
TMDV 1.25-3.5N ○		5.6	20.4	7.6								
TMDV 1.25-3.5S ○	4.3	5.7	17.4	4.5								
TMDV 1.25-3.5M ○		6.6	18.8	5.5								
TMDV 1.25-3.5L ○	5.3	6.8	19.4	6.0								
TMDV 1.25-4M ○		8.0	21.1	7.1								
TMDV 1.25-4 ○	6.4	6.8	19.4	6.0								
TMDV 1.25-5 ○		8.0	21.1	7.1								
TMDV 1.25-6 ○	8.4	12.0	25.7	9.7								
TMDV 1.25-8 ○		10.5	16.5	30.5	12.2							
TMDV 1.25-10 ○	3.2	6.5	18.2	4.9	10.0	4.3	1.04 } 2.63	16-14	NH 12 NH 32	BLUE	1,000 (100×10)	
TMDV 2-2 ○		5.6	20.4	7.6								
TMDV 2-3N ○	3.7	5.7	17.8	4.9								
TMDV 2-3S ○		6.5	18.2	7.6								
TMDV 2-3 ○	5.3	5.6	20.4	7.6								
TMDV 2-3.5N ○		6.5	18.2	4.9								
TMDV 2-3.5NS ○	6.4	6.6	19.9	6.6								
TMDV 2-3.5 ○		6.6	20.9	7.6								
TMDV 2-3.5S ○	8.4	8.0	21.5	7.5								
TMDV 2-3.5M ○		6.6	19.9	6.6								
TMDV 2-4S ○	5.3	8.5	22.0	7.7								
TMDV 2-4 ○		8.0	21.5	7.5								
TMDV 2-4M ○	6.4	9.5	22.5	7.7								
TMDV 2-5M ○		12.0	27.0	11.0								
TMDV 2-5 ○	8.4	10.5	15.0	30.0	12.5							
TMDV 2-6 ○		13.0	19.0	34.0	14.5							
TMDV 2-8 ○	3.2	5.6	20.4	7.6	10.0	4.3	1.04 } 2.63	16-14	NH 12 NH 32	BLUE	1,000 (100×10)	
TMDV 2-10 ○		5.7	17.8	4.9								
TMDV 2-12 ○	6.5	18.2	7.6									
TMDV 2-1 ○	3.7	5.6	20.4	7.6								
TMDV 2-1.5N ○		6.5	18.2	4.9								
TMDV 2-1.5NS ○	5.3	6.6	19.9	6.6								
TMDV 2-1.5 ○		6.6	20.9	7.6								
TMDV 2-1.5S ○	6.4	8.0	21.5	7.5								
TMDV 2-1.5M ○		6.6	19.9	6.6								
TMDV 2-2S ○	8.4	8.5	22.0	7.7								
TMDV 2-2M ○		8.0	21.5	7.5								
TMDV 2-2.5M ○	6.4	9.5	22.5	7.7								
TMDV 2-2.5 ○		12.0	27.0	11.0								
TMDV 2-2.5S ○	8.4	10.5	15.0	30.0	12.5							
TMDV 2-2.5M ○		13.0	19.0	34.0	14.5							

NOTE

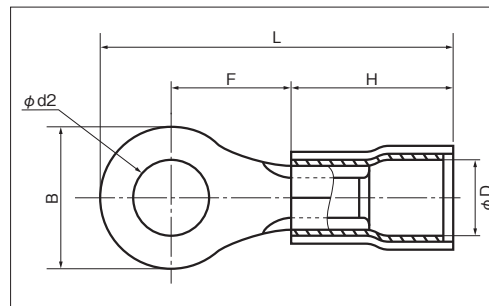
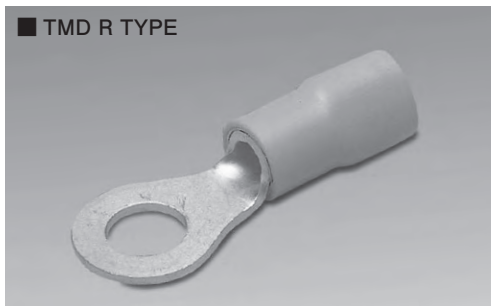
- : UL/CSA INSULATOR MATERIAL
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 42.

B



INSULATED RING TERMINALS WITH EXTRA COPPER SLEEVE (R TYPE)

TMDV : Vinyl



RoHS 6
See page 2

Non stock item

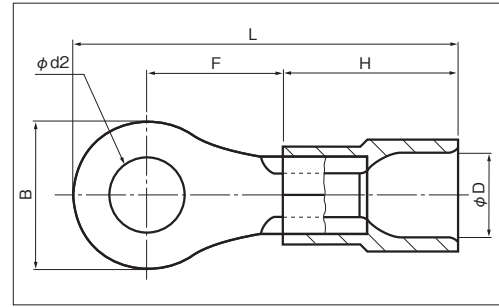
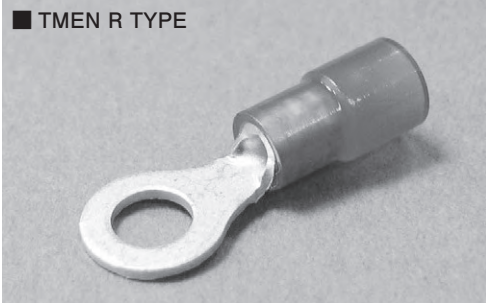
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	$\phi d2$	B	L	F	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMDV 5.5-3M ○	3.2	6.5	24.4	7.2	14.0	6.0	2.63 ∩ 6.64	12-10	NH 13		YELLOW	100
TMDV 5.5-3N ○		7.0	24.7									
TMDV 5.5-3S ○		9.0	25.7									
TMDV 5.5-3.5N ○	3.7	7.0	24.7									
TMDV 5.5-3.5S ○		9.0	25.7									
TMDV 5.5-3.5 ○		9.5	27.0	8.2								
TMDV 5.5-4N ○	4.3	7.0	24.7	7.2								
TMDV 5.5-4S ○		9.0	25.7									
TMDV 5.5-4 ○		9.5	27.0									
TMDV 5.5-5N ○	5.3	8.0	25.2	7.2								
TMDV 5.5-5S ○		9.0	25.7									
TMDV 5.5-5 ○		9.5	27.0									
TMDV 5.5-6 ○	6.4	12.0	30.5	10.5								
TMDV 5.5-8 ○	8.4	15.0	35.5	14.0								
TMDV 5.5-10 ○	10.5											
TMDV 5.5-12 ○	13.0											
TMDV 5.5-14 ○	15.0	19.2	40.0	16.4					NA 10	N10 23		50

NOTE

- 1) ○ : UL/CSA
- 2) Refer to page 41 for UL/CSA, proper strip length of wire.
- 3) TMDEN Type is also available, see page 42.

INSULATED RING TERMINALS (R TYPE) TMEN : Nylon

JIS C 2805



RoHS 10

See page 2

RoHS 10

Yellow Nylon
See page 2

Non stock item

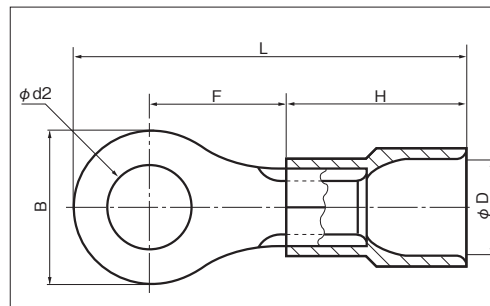
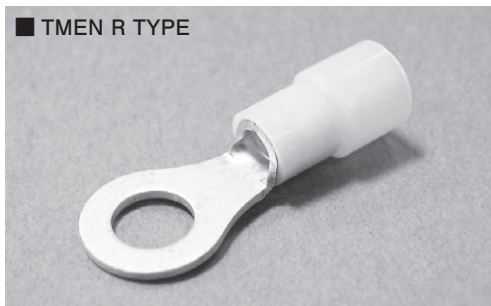
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	$\phi d2$	B	L	F	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEN 0.3-2	2.2	5.2	17.5	4.9	10.0	2.8	0.2~0.5	24-20	NH 5	NH 32	YELLOW TRANSLUCENT	1,000 (100×10)
TMEN 0.3-3	3.2		19.8	7.2								
TMEN 0.3-3N	3.2		19.8	7.2								
TMEN 0.3-3.5	3.7		20.5	7.2								
TMEN 0.3-4	4.3		20.5	7.2								
TMEN 0.3-5	5.3	8.0	21.0	7.0				NA 10 NA 3	N10 10 N3 5			
TMEN 1.25-2	2.2	5.5	17.5	4.7	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11	NH 32	RED TRANSLUCENT	1,000 (100×10)
TMEN 1.25-2S	2.2	5.7	17.4	4.5								
TMEN 1.25-3 (RBC 1.25-3)	3.2	5.5	17.5	4.7								
TMEN 1.25-3N	3.2	5.6	20.4	7.6								
TMEN 1.25-3S	3.2	5.7	17.4	4.5								
TMEN 1.25-3.5N	3.7	5.6	20.4	7.6								
TMEN 1.25-3.5S	3.7	5.7	17.4	4.5								
TMEN 1.25-3.5 (RBC 1.25-3.5)	3.7	6.6	18.8	5.5								
TMEN 1.25-3.5M	3.7	6.8	19.4	6.0								
TMEN 1.25-3.5L	3.7	8.0	21.1	7.1								
TMEN 1.25-4M	4.3	6.8	19.4	6.0								
TMEN 1.25-4 (RBC 1.25-4)	4.3	8.0	21.1	7.1								
TMEN 1.25-5 (RBC 1.25-5)	5.3	8.0	21.1	7.1								
TMEN 1.25-6	6.4	12.0	25.7	9.7								
TMEN 1.25-8	8.4	12.0	25.7	9.7								
TMEN 1.25-10	10.5	16.5	30.5	12.2				NA 10 NA 3	N10 11 N3 11			
TMEN 2-2	2.2	6.5	18.2	4.9	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12	NH 32	BLUE TRANSLUCENT	1,000 (100×10)
TMEN 2-3N	3.2	5.6	20.4	7.6								
TMEN 2-3S	3.2	5.7	17.8	4.9								
TMEN 2-3	3.2	6.5	18.2	4.9								
TMEN 2-3.5N	3.7	5.6	20.4	7.6								
TMEN 2-3.5NS	3.7	6.5	18.2	4.9								
TMEN 2-3.5 (RBC 2-3.5)	3.7	6.6	19.9	6.6								
TMEN 2-3.5S	3.7	6.6	20.9	7.6								
TMEN 2-3.5M	3.7	8.0	21.5	7.5								
TMEN 2-4S	4.3	6.6	19.9	6.6								
TMEN 2-4M	4.3	8.0	21.5	7.5								
TMEN 2-4 (RBC 2-4)	4.3	8.5	22.0	7.7								
TMEN 2-5M	5.3	8.0	21.5	7.5								
TMEN 2-5 (RBC 2-5)	5.3	9.5	22.5	7.7								
TMEN 2-6 (RBC 2-6)	6.4	12.0	27.0	11.0								
TMEN 2-8 (RBC 2-8)	8.4	12.0	27.0	11.0								
TMEN 2-10	10.5	15.0	30.0	12.5				NA 10 NA 3	N10 12 N3 12			
TMEN 2-12	13.0	19.0	34.0	14.5								

NOTE

- 1) ● : JIS/UL/CSA ○ : UL/CSA
- 2) Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- 3) JIS part No. is shown in parenthesis.

INSULATED RING TERMINALS (R TYPE) TMEN : Nylon

JIS C 2805



RoHS10
Yellow Nylon
See page 2

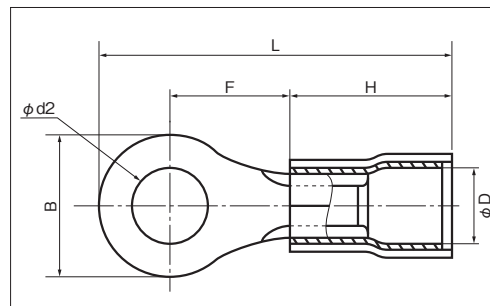
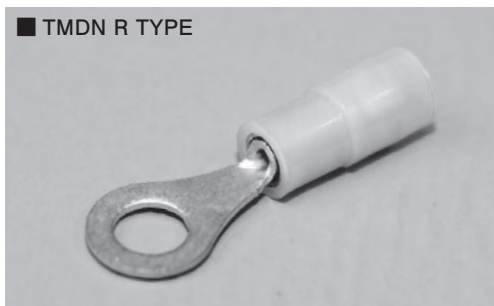
Non stock item

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX	
	φ d2	B	L	F	H	φ D	STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.			DIES No.
TMEN 3.5-4 ○	4.3	8.0	26.0	8.0	14.0	6.3	2.63 }	12	NH 13		YELLOW TRANSLUCENT	100
TMEN 3.5-5S ○	5.3	9.6	28.0	9.2								
TMEN 3.5-5L ○		12.0	29.4	9.4								
TMEN 3.5-6L ○	6.4											
TMEN 3.5-8 ○	8.4	13.5	33.5	12.7								
TMEN 5.5-3M ○	3.2	6.5	24.4	7.2	14.0	6.8	2.63 }	12-10	NH 13		YELLOW TRANSLUCENT	100
TMEN 5.5-3N ○		7.0	24.7									
TMEN 5.5-3S ○		9.0	25.7									
TMEN 5.5-3.5N ○		3.7	7.0						24.7			
TMEN 5.5-3.5S ○			9.0						25.7			
TMEN 5.5-3.5 ○	9.5	27.0	8.2									
TMEN 5.5-4N ○	4.3	7.0	24.7	7.2	14.0	6.8	2.63 }	12-10	NH 13		YELLOW TRANSLUCENT	100
TMEN 5.5-4S ○		9.0	25.7									
TMEN 5.5-4 (RBC 5.5-4) ●		9.5	27.0						8.2			
TMEN 5.5-5N ○	5.3	8.0	25.2	7.2	14.0	6.8	2.63 }	12-10	NH 13		YELLOW TRANSLUCENT	100
TMEN 5.5-5S ○		9.0	25.7									
TMEN 5.5-5 (RBC 5.5-5) ●		9.5	27.0						8.2			
TMEN 5.5-6 (RBC 5.5-6) ●	6.4	12.0	30.5	10.5								
TMEN 5.5-8 (RBC 5.5-8) ●	8.4	15.0	35.5	14.0								
TMEN 5.5-10 (RBC 5.5-10) ●	10.5											
TMEN 5.5-12 ○	13.0	19.2	40.0	16.4					NA 10	N10 13		50
TMEN 5.5-14 ○	15.0			18.0						NA 3	N3 13	

NOTE

- 1) ● : JIS/UL/CSA ○ : UL/CSA
- 2) Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- 3) JIS part No. is shown in parenthesis.

INSULATED RING TERMINALS WITH EXTRA COPPER SLEEVE (R TYPE) TMDN : Nylon



RoHS10
Yellow Nylon
See page 2

Non stock item

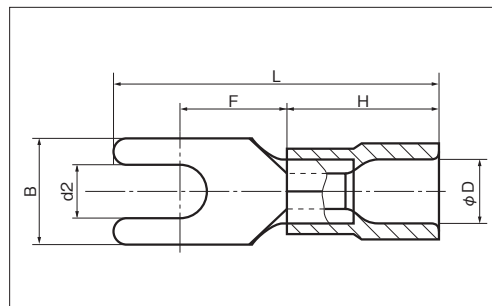
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	$\phi d2$	B	L	F	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.		
TMDN 0.3-2	2.2	5.2	17.5	4.9	10.0	2.9	0.2~0.5	24-20	NH 5 NH 32	YELLOW TRANSLUCENT	1,000 (100×10)	
TMDN 0.3-3	3.2											
TMDN 0.3-3N	3.7	6.6	20.5	7.2	10.0	2.9	0.2~0.5	24-20	NH 5 NH 32	YELLOW TRANSLUCENT	1,000 (100×10)	
TMDN 0.3-3.5	4.3											
TMDN 0.3-4	4.3	8.0	21.0	7.0	10.0	2.9	0.2~0.5	24-20	NH 5 NH 32	YELLOW TRANSLUCENT	1,000 (100×10)	
TMDN 0.3-5	5.3											

NOTE

- 1) ○ : UL/CSA
- 2) Refer to page 41 for UL/CSA, proper strip length of wire and Nylon insulated products.



ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (Y TYPE)

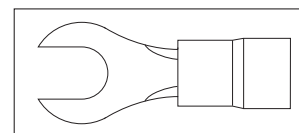


RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX							
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.									
TMEY 0.3Y-2	2.2	5.2	17.5	4.9	10.0	2.8	0.2	24-20	NH 5	NH 32	YELLOW	1,000 (100×10)							
TMEY 0.3Y-3	3.2			5.8															
TMEY 0.3Y-3.5N	3.7			20.5									5.8						
TMEY 0.3Y-4N	4.3												6.4	6.6					
TMEY 0.3Y-5	5.3			8.0									21.0	7.0	NA 10 NA 3	N10 10 N3 5			
TMEY 1.25Y-2.5	2.7	4.7	17.2	5.1	10.0	4.1	0.3	22-16	NH 11	NH 32	RED	1,000 (100×10)							
TMEY 1.25Y-3K	3.2	5.6	20.5	5.8															
TMEY 1.25Y-3S		5.7	17.4	4.8															
TMEY 1.25Y-3		5.8	20.5	5.8															
TMEY 1.25Y-3N	3.7	5.6	20.5	6.6															
TMEY 1.25Y-3.5K				21.5									6.6						
TMEY 1.25Y-3.5	3.7	5.8	20.5	5.8									0.3	1.65	22-16	NH 11	NH 32	RED	1,000 (100×10)
TMEY 1.25Y-3L	6.2	21.5	6.8																
TMEY 1.25Y-4N	4.3	6.4	21.9	7.6															
TMEY 1.25Y-4S				7.0									7.6						
TMEY 1.25Y-4M				8.1									7.5						
TMEY 1.25Y-4L	5.3	9.6	23.0	8.3															
TMEY 1.25Y-5				6.4									11.0	24.5	8.6	NA 10 NA 3	N10 11 N3 11		
TMEY 2Y-3S	3.2	5.6	21.3	6.6									10.0	4.6	1.04	16-14	NH 12	NH 32	BLUE
TMEY 2Y-3	3.2	5.9																	
TMEY 2Y-3.5K	3.7	5.6																	
TMEY 2Y-3.5S		5.8																	
TMEY 2Y-3.5		6.4			7.6														
TMEY 2Y-3.5L	4.3	7.0			21.5	7.0													
TMEY 2Y-4N						8.0	7.1												
TMEY 2Y-4S	5.3	10.0			22.6	8.7													
TMEY 2Y-4M						8.0	7.1												
TMEY 2Y-5						10.0	22.6	8.7											
TMEY 2Y-5M	6.4	12.0			23.5	8.5													
TMEY 2Y-5L			25.5	8.6															
TMEY 2Y-6	8.4	14.0	27.5	11.5	NA 10 NA 3	N10 12 N3 12	(50×10)												
TMEY 3.5Y-4	4.3	8.0	26.0	7.2	14.0	6.3	2.63	12	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW	50						
TMEY 3.5Y-5	5.3	9.5	28.0	8.3															
TMEY 3.5Y-6	6.4	12.0	30.0	9.8															
TMEY 5.5Y-3.5N	4.3	7.0	24.5	7.2	14.0	6.8	2.63	12-10	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW	50						
TMEY 5.5Y-4S		8.4																	
TMEY 5.5Y-4		9.0	25.7																
TMEY 5.5Y-5		5.2	9.0																
TMEY 5.5Y-6	6.4	12.5	32.7	12.0	6.64	NA 10 NA 3	N10 13 N3 13												

NOTE

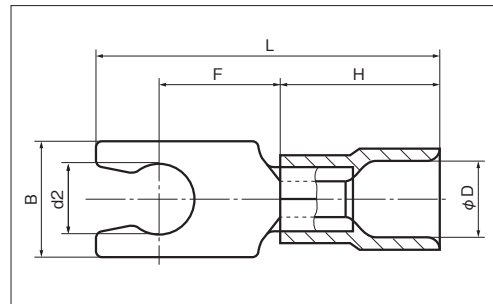
- : UL · C-UL
- Please refer to page 41 for proper strip length of wire
- Tongue shape of 1.25Y-3S is shown on the right.
- Transparent insulator is also available.
- *Specification is partly different from other spade terminals.





INSULATED PIN TERMINALS (TC TYPE)

TGV
TGWV : Vinyl
TMEV

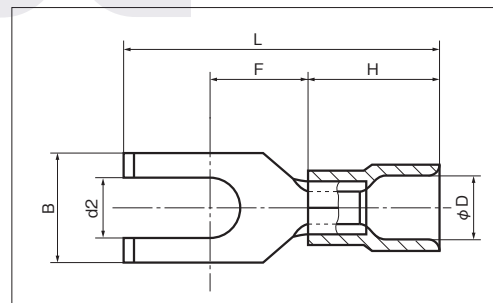
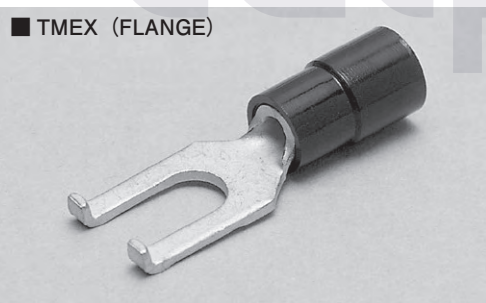


RoHS10
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEV 1.25LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.1	0.3 } 1.65	22-16	NH 11		RED	1,000 (100×10)
TMEV 1.25LY-3.5S ○	3.7								NA 10	N10 11		
TMEV 1.25LY-4S ○	4.3								NA 3	N3 11		
TMEV 1.25LY-5S ○	5.3	8.4	22.5	8.5					NH 12		BLUE	1,000 (100×10)
TMEV 2LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.6	1.04 } 2.63	16-14	NH 32			
TMEV 2LY-3.5S ○	3.7								NA 10	N10 12		
TMEV 2LY-4S ○	4.3								NA 3	N3 12		
TMEV 2LY-5S ○	5.3	8.4	22.5	8.5					NH 13		YELLOW	50
TMEV 5.5LY-3.5S ○	3.7	7.9	25.7	7.6	14.0	6.8	2.63 } 6.64	12-10	NA 10			
TMEV 5.5LY-4S ○	4.3								N10 13			
TMEV 5.5LY-5S ○	5.3								N3 13			

NOTE

- : UL · C-UL
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMD & TMDEN Type are also available, see page 42.

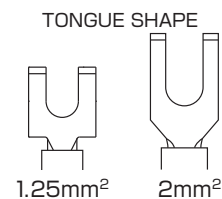


RoHS10
See page 2

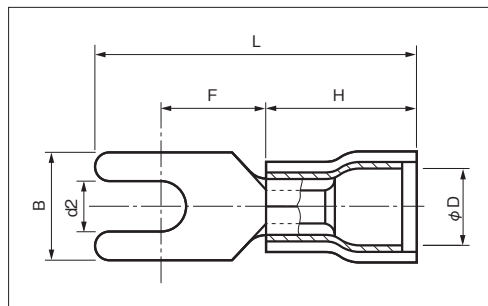
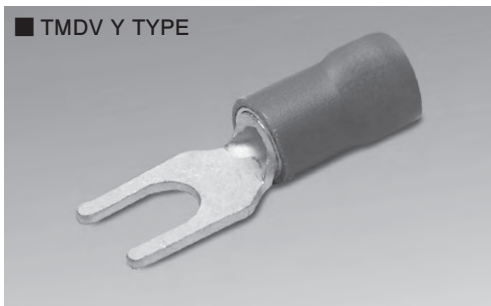
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
1.25Y-3W ○	3.7	7.7	19.5	5.6	10.0	4.1	0.3~1.65	22-16	NH 11		RED	1,000 (100×10)
TMEV 1.25Y-4W ○	4.3								NA 10	N10 11		
1.25Y-5W ○	5.3								NA 3	N3 11		
2Y-3W ○	3.7	8.0	24.0	7.3	10.0	4.6	1.04 } 2.63	16-14	NH 12		BLUE	1,000 (100×10)
TMEV 2Y-4W ○	4.3								NA 10	N10 12		
2Y-5W ○	5.3								NA 3	N3 12		

NOTE

- : UL · C-UL
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire.
- TMDEN Type is also available, see page 42.



INSULATED SPADE TERMINALS WITH EXTRA COPPER SLEEVE (Y TYPE) TMDV : Vinyl



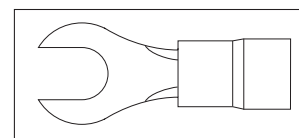
RoHS 6
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX							
	d2	B	L	F	H	φD	STRAINED mm ²	AWG	HAND TOOL No.										
									TOOL BODY No.	DIES No.									
TMDV 1.25Y-2.5 ○	2.7	4.7	17.2	5.1	10.0	4.0	0.3 } 1.65	22-16	NH 11 NH 32	RED	1,000 (100×10)								
TMDV 1.25Y-3K ○		5.6	20.5	5.8															
TMDV 1.25Y-3S ○	3.2	5.7	17.9	4.8															
TMDV 1.25Y-3 ○		5.8		5.8															
TMDV 1.25Y-3N ○				6.6															
TMDV 1.25Y-3.5K ○	3.7	5.6	20.5	5.8															
TMDV 1.25Y-3.5 ○		5.8		5.8															
TMDV 1.25Y-3L ○		6.2		21.5								6.8							
TMDV 1.25Y-4N ○	4.3	6.4	21.9	6.6															
TMDV 1.25Y-4S ○		7.0		7.6															
TMDV 1.25Y-4M ○		8.1		7.5															
TMDV 1.25Y-4L ○		9.6		23.0								8.3							
TMDV 1.25Y-5 ○	5.3	9.6	23.0	8.3												NA 10	N10 21		
TMDV 1.25Y-6 ○	6.4	11.0	24.5	8.6															
TMDV 2Y-3 ○	3.2	5.9	21.3	6.6	10.0	4.3	1.04 } 2.63	16-14	NH 12 NH 32	BLUE	1,000 (100×10)								
TMDV 2Y-3.5S ○		5.8																	
TMDV 2Y-3.5 ○	3.7	6.4										7.6							
TMDV 2Y-3.5L ○																			
TMDV 2Y-4N ○	4.3		6.6																
TMDV 2Y-4S ○		7.0	7.0																
TMDV 2Y-4 ○		8.0	7.1																
TMDV 2Y-4M ○		10.0	22.6	8.7															
TMDV 2Y-5 ○	5.3	8.0	21.5	7.1															
TMDV 2Y-5M ○		10.0	22.6	8.7															
TMDV 2Y-5L ○		12.0	23.5	8.5															
TMDV 2Y-6 ○	6.4	12.0	25.5	8.6												NA 10	N10 22		
TMDV 2Y-8 ○	8.4	14.0	27.5	11.5															
TMDV 5.5Y-4S ○	4.3	8.4	25.7	7.2								14.0	6.0	2.63 } 6.64	12-10	NH 13	YELLOW	100	
TMDV 5.5Y-4 ○		9.0																	
TMDV 5.5Y-5 ○		5.2			9.0														
TMDV 5.5Y-6 ○	6.4	12.5	32.7	12.0	NA 10	N10 23													

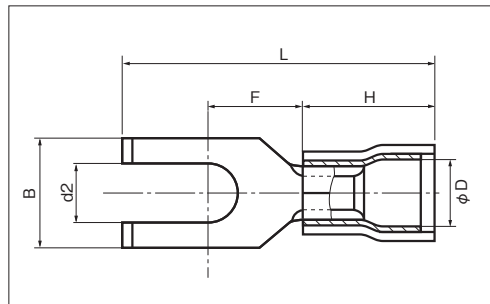
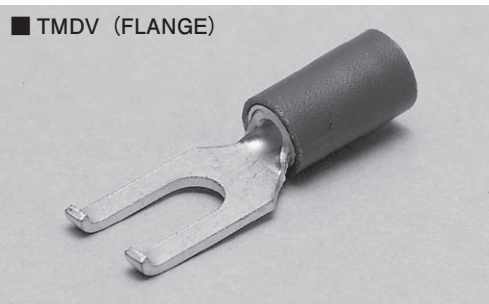
NOTE

- : UL/CSA
- Refer to page 41 for UL/CSA, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 42.
- Tongue shape of 1.25Y-3S is shown on the right.





INSULATED SPADE TERMINALS (Y TYPE) TMEV : Vinyl



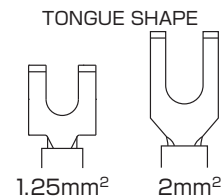
RoHS 6
See page 2

Non stock item

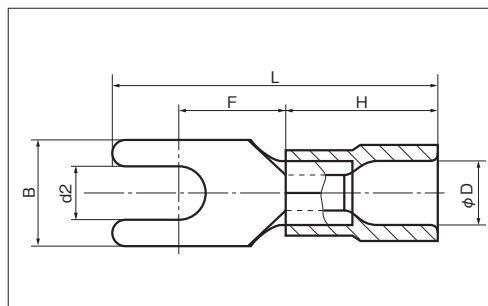
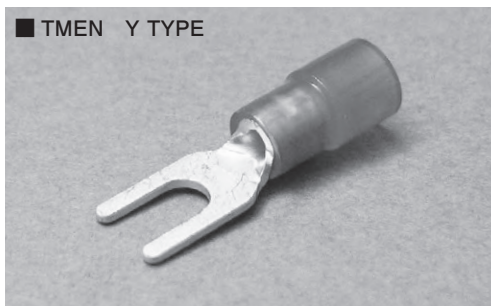
PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
		d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.		
1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.0	0.3	22-16	NH 11		RED	1,000 (100×10)
TMDV 1.25Y-4W	○	4.3						NH 32					
1.25Y-5W	○	5.3						NA10		N10 21			
2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.3	1.04	16-14	NH 12		BLUE	1,000 (100×10)
TMDV 2Y-4W	○	4.3						NH 32					
2Y-5W	○	5.4						NA10		N10 22			

NOTE

- : UL/CSA
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire.
- TMDEN Type is also available, see page 42.



INSULATED SPADE TERMINALS (Y TYPE) TMEN : Nylon



RoHS10
See page 2

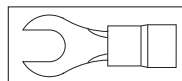
RoHS10
Yellow Nylon
See page 2

Non stock item

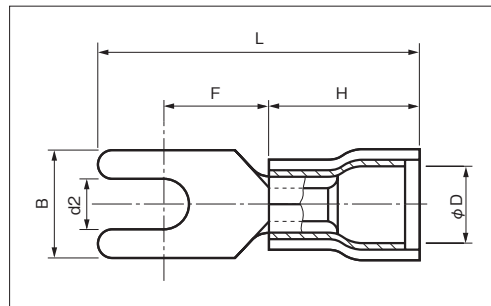
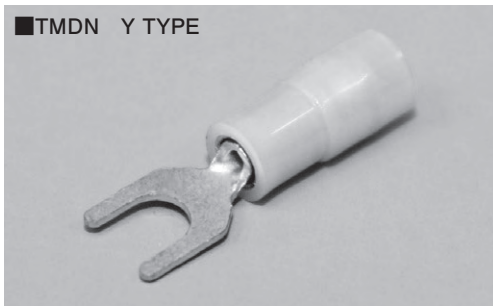
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX								
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.											
									TOOL BODY No.	DIES No.										
TMEN 0.3Y-2	2.2	5.2	17.5	4.9	10.0	2.8	0.2~0.5 0.3~0.5 UL·CSA USE	24-20	NH 5 NH 32		YELLOW TRANSLUCENT	1,000 (100×10)								
TMEN 0.3Y-3	3.2																			
TMEN 0.3Y-3.5N	3.7	20.5	5.8																	
TMEN 0.3Y-4N	4.3		6.6																	
TMEN 0.3Y-5	5.3	8.0	21.0	7.0					NA 10 NA 3	N10 10 N3 5										
TMEN 1.25Y-2.5	2.7	4.7	17.2	5.1	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32		RED TRANSLUCENT	1,000 (100×10)								
TMEN 1.25Y-3K	3.2	5.6	20.5	5.8																
TMEN 1.25Y-3S		5.7	17.4	4.8																
TMEN 1.25Y-3		5.8	20.5	5.8																
TMEN 1.25Y-3N	21.5		6.6																	
TMEN 1.25Y-3.5K	3.7	5.6	20.5	5.8																
TMEN 1.25Y-3.5		5.8																		
TMEN 1.25Y-3L		6.2	21.5	6.8																
TMEN 1.25Y-4N	4.3	6.4	21.9	6.6																
TMEN 1.25Y-4S		7.0		7.6																
TMEN 1.25Y-4M		8.1	7.5																	
TMEN 1.25Y-4L	5.3	9.6	23.0	8.3									NA 10 NA 3	N10 11 N3 11						
TMEN 1.25Y-6		6.4	11.0	24.5											8.6					
TMEN 2Y-3	3.2	5.9	21.3	6.6									10.0	4.6	1.04 ∩ 2.63	16-14	NH 12 NH 32		BLUE TRANSLUCENT	1,000 (100×10)
TMEN 2Y-3.5S	3.7	5.8																		
TMEN 2Y-3.5		6.4			7.6															
TMEN 2Y-3.5L	4.3		7.0	21.5	6.6															
TMEN 2Y-4N		8.0			7.1															
TMEN 2Y-4S		7.0	7.0																	
TMEN 2Y-4	5.3	8.0	21.5	7.1																
TMEN 2Y-4M		10.0		8.7																
TMEN 2Y-5	6.4	8.0	22.6	8.7																
TMEN 2Y-5M		10.0		8.7																
TMEN 2Y-5L		12.0	23.5	8.5																
TMEN 2Y-6	8.4	12.0	25.5	8.6	NA 10 NA 3	N10 12 N3 12														
TMEN 2Y-8		14.0	27.5	11.5																
TMEN 3.5Y-4	4.3	8.0	26.0	7.2	14.0	6.3	2.63 ∩ 4.6	12	NH 13		YELLOW TRANSLUCENT	100								
TMEN 3.5Y-5	5.3	9.5	28.0	8.3					NA 10 NA 3	N10 13 N3 13										
TMEN 3.5Y-6	6.4	12.0	30.0	9.8																
TMEN 5.5Y-4S	4.3	8.4	25.7	7.2	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13		YELLOW TRANSLUCENT	100								
TMEN 5.5Y-4		9.0																		
TMEN 5.5Y-5		5.2	9.0																	
TMEN 5.5Y-6	6.4	12.5	32.7	12.0	NA 10 NA 3	N10 13 N3 13														

NOTE

- : UL/CSA INSULATOR MATERIAL
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- Tongue shape of 1.25Y-3S is shown on the right.
- Transparent and colored insulators are available for TMEV(Vinyl).



INSULATED SPADE TERMINALS WITH EXTRA COPPER SLEEVE (Y TYPE) TMDN : Nylon



RoHS 10
See page 2

RoHS 10
Yellow Nylon
See page 2

Non stock item

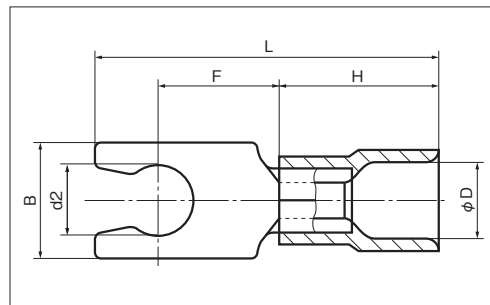
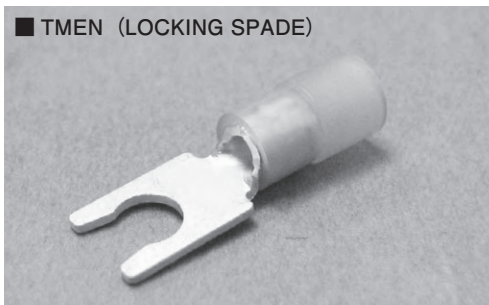
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.			
TMDN 0.3Y-2	2.2	5.2	17.5	4.9	10.0	2.9	0.2~0.5	24-20	NH 5 NH 32	YELLOW TRANSLUCENT	1,000	
TMDN 0.3Y-3	3.2											
TMDN 0.3Y-3.5N	3.7	5.8	20.5	5.8								
TMDN 0.3Y-4N	4.3											6.4
TMDN 0.3Y-5	5.3	8.0	21.0	7.0								

NOTE

1) Refer to page 41 for UL/CSA, proper strip length of wire and Nylon insulated products.



INSULATED SPADE TERMINALS (Y TYPE) TMEN : Nylon



RoHS 10

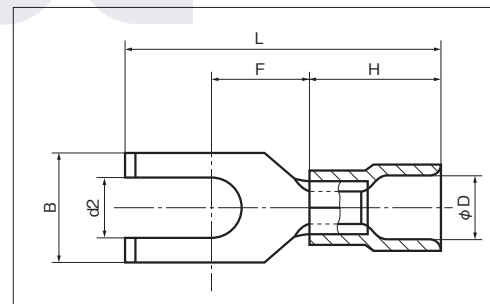
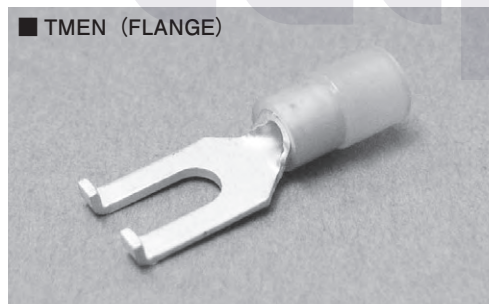
See page 2

RoHS 10

Yellow Nylon
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEN 1.25LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.1	0.3 }	22-16	NH 11		RED TRANSLUCENT	1,000 (100×10)
TMEN 1.25LY-3.5S ○	3.7								NA 10	N10 11		
TMEN 1.25LY-4S ○	4.3								NA 3	N3 11		
TMEN 1.25LY-5S ○	5.3	8.4	22.5	8.5								
TMEN 2LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.6	1.04 }	16-14	NH 12		BLUE TRANSLUCENT	1,000 (100×10)
TMEN 2LY-3.5S ○	3.7								NA 10	N10 12		
TMEN 2LY-4S ○	4.3								NA 3	N3 12		
TMEN 2LY-5S ○	5.3	8.4	22.5	8.5								
TMEN 5.5LY-3.5S ○	3.7	7.9	25.7	7.6	14.0	6.8	2.63 }	12-10	NH 13		YELLOW TRANSLUCENT	100
TMEN 5.5LY-4S ○	4.3								NA 10	N10 13		
TMEN 5.5LY-5S ○	5.3								NA 3	N3 13		



RoHS 10

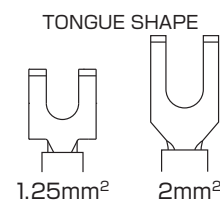
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEN 1.25Y-3W ○	3.7	7.7	19.5	5.6	10.0	4.1	0.3 }	22-16	NH 11		RED TRANSLUCENT	1,000 (100×10)
TMEN 1.25Y-4W ○	4.3								NA 10	N10 11		
TMEN 1.25Y-5W ○	5.3								NA 3	N3 11		
TMEN 2Y-3W ○	3.7	8.0	24.0	7.3	10.0	4.6	1.04 }	16-14	NH 12		BLUE TRANSLUCENT	1,000 (100×10)
TMEN 2Y-4W ○	4.3								NA 10	N10 12		
TMEN 2Y-5W ○	5.3								NA 3	N3 12		

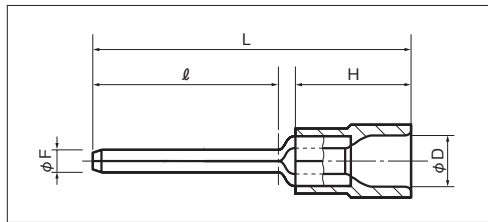
NOTE

- : UL/CSA
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMDEN Types are also available, see page 42.



ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (TC TYPE)

■ TMEX TC TYPE



RoHS10

See page 2

B

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX	
	φF	l	L	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.			
TMEX TC-0.3-9.5 ○	1.0	9.5	20.8	10.0	2.8	0.2-0.5	24-20	NH 5 NH 32 NH 60	NA 10 NA 3	N10 10 N3 5	YELLOW	1,000 (100×10)
TMEX TC-1.25-11 ○	1.9	11.0	23.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32	NA 10 NA 3	N10 11 N3 11	RED	1,000 (100×10)
TMEX TC-1.25-11S ○	1.5											
TMEX TC-1.25-16 ○	1.9											
TMEX TC-1.25-16S ○	1.5											
TMEX TC-1.25-20 ○	1.9											
TMEX TC-1.25-20S ○	1.5											
TMEX TC-2-11 ○	1.9	11.0	23.0	10.0	4.5	1.04 ∩ 2.63	16-14	NH 12 NH 32	NA 10 NA 3	N10 12 N3 12	BLUE	1,000 (100×10)
TMEX TC-2-11S ○	1.5											
TMEX TC-2-16 ○	1.9											
TMEX TC-2-16S ○	1.5											
TMEX TC-2-20 ○	1.9											
TMEX TC-2-20S ○	1.5											
TMEX TC-5.5-11 ○	2.7	11.0	28.5	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW	50

NOTE 1) ○ : UL · C-UL

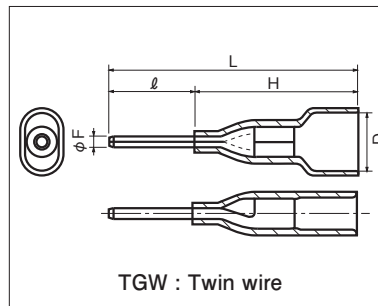
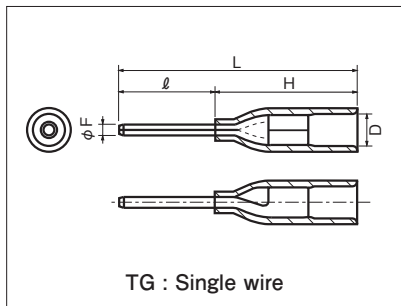
NOTE 2) Please refer to page 41 for proper strip length of wire.



INSULATED PIN TERMINALS (TC TYPE)

TGV
TGWV : Vinyl
TMEV

■ TGT Pin is in line with the center of the barrel.



RoHS 10

See page 2

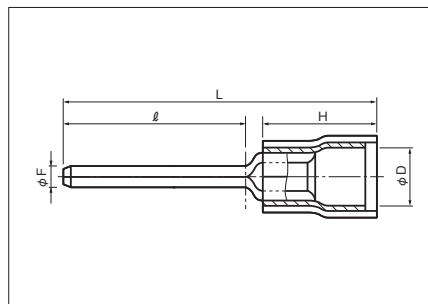
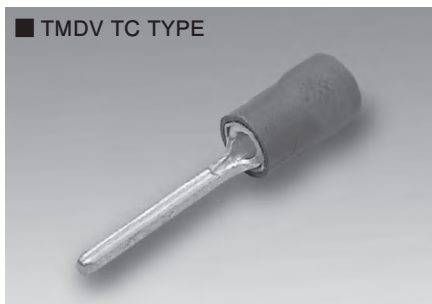
Rated voltage 300V Rated current 17A

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φF	ℓ	L	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
								TOOL BODY No.	DIES No.		
TGV TC-1.25-9T	1.1	9.0	25.0	16.0	φ 3.6	0.3 ~ 1.65	22-16	(NH 11/NH 32) NH 65B NH 65C		RED TRANSLUCENT	100
TGV TC-1.25-11T		11.0	27.0					NA 3 N3 11T NA 10 N10 11			
TGWV TC-1.25-9T		9.0	26.6	17.6	6.6			NH 65B NH 65C			
TGWV TC-1.25-11T		11.0	28.6								



INSULATED PIN TERMINALS WITH EXTRA COPPER SLEEVE (TC TYPE)

TMDV : Vinyl



RoHS 6
See page 2

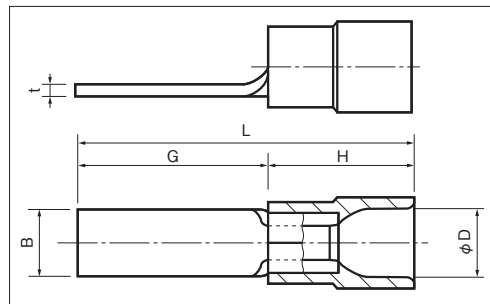
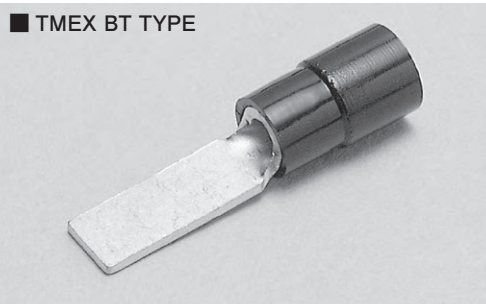
Non stock item

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φ F	l	L	H	φ D	STRANDED mm ²	AWG	HAND TOOL No.			
								TOOL BODY No.	DIES No.		
TMDV TC-1.25-11 ○	1.9	11.0	23.0	10.0	4.0	0.3 } 1.65	22-16	NH 11 NH 32	RED	1,000 (100×10)	
TMDV TC-1.25-11S ○	1.5										
TMDV TC-1.25-16 ○	1.9	16.0	27.5								
TMDV TC-1.25-16S ○	1.5										
TMDV TC-1.25-20 ○	1.9	20.0	31.5								
TMDV TC-1.25-20S ○	1.5										
TMDV TC-2-11 ○	1.9	11.0	23.0	10.0	4.3	1.04 } 2.63	16-14	NH 12 NH 32	BLUE	1,000 (100×10)	
TMDV TC-2-11S ○	1.5										
TMDV TC-2-16 ○	1.9	16.0	27.5								
TMDV TC-2-16S ○	1.5										
TMDV TC-2-20 ○	1.9	20.0	31.5								
TMDV TC-2-20S ○	1.5										
TMDV TC-5.5-11 ○	2.7	11.0	28.5	14.0	6.0	2.63 } 6.64	12-10	NH 13 NA 10 N10 23	YELLOW	100	

- NOTE 1) ○ : UL/CSA
 2) Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
 3) TMDEN Types are also available, see page 42.

B

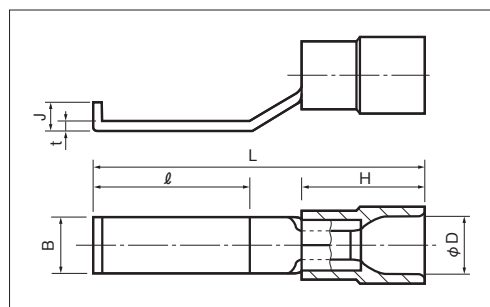
ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (BT TYPE)



RoHS 10

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX	
	B	t	L	G	H	φD	STRANDED mm ²	AWG	HAND TOOL No.				
									TOOL BODY No.	DIES No.			
TMEX BT-1.25-7.5 ※	1.0	0.75	21.0	11.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32	NA 10 NA 3	N10 11 N3 11	RED	1,000 (100×10)
TMEX BT-1.25-9-1 ○	2.2		19.0	9.0									
TMEX BT-1.25-9 ○	2.8		19.1	9.1									
TMEX BT-1.25-10-1 ○	2.2		20.5	10.5									
TMEX BT-1.25-10 ○	3.4		20.3	10.3									
TMEX BT-1.25-11 ○	3.0		21.2	11.2									
TMEX BT-1.25-13 ○	3.4		23.0	13.0									
TMEX BT-1.25-14 ○	3.0		24.6	14.6									
TMEX BT-1.25-18 ○	2.2	28.5	18.5										
TMEX BT-2-9-1 ○	2.2	0.85	19.0	9.0	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12 NH 32	NA 10 NA 3	N10 12 N3 12	BLUE	1,000 (100×10)
TMEX BT-2-9 ○	2.8		19.1	9.1									
TMEX BT-2-13 ○	4.6		23.0	13.0									
TMEX BT-2-18 ○	2.2		28.5	18.5									
TMEX BT-5.5-10 ○	2.8	0.95	24.0	10.0	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW	50
TMEX BT-5.5-13 ○	4.5		27.0	13.0									
TMEX BT-5.5-18 ○	4.5		32.0	18.0									



RoHS 10

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX								
	B	t	ℓ	L	J	H	φD	STRANDED mm ²	AWG	HAND TOOL No.											
										TOOL BODY No.	DIES No.										
TMEX BT-1.25-17 ○	3.0	0.75	12.7	27.0	2.25	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32	NA 10 NA 3	N10 11 N3 11	RED	1,000 (100×10)							
TMEX BT-2-17 ○		0.85			2.30										4.6	1.04 ∩ 2.63	16-14	NH 12 NH 32	N10 12 N3 12	BLUE	1,000 (100×10)
TMEX BT-5.5-17-1 ○		0.95			31.0										2.45	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13	N10 13 N3 13

NOTE 1) ○ : UL · C-UL

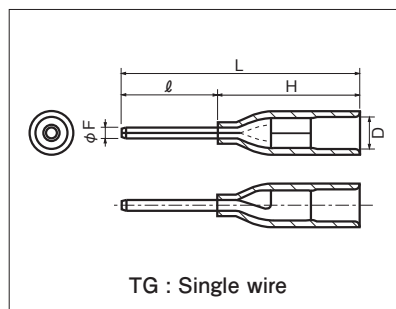
- Refer to page 39 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMD & TMDEN Type are also available, see page 40.
- Transparent and colored insulators are available for TMEX(Poly carbonate).
- ※Specification is partly different from other Blade terminals.



INSULATED PIN TERMINALS (TC TYPE) **TMEN** : Nylon

TGN : Nylon

■ TGT Pin is in line with the center of the barrel.

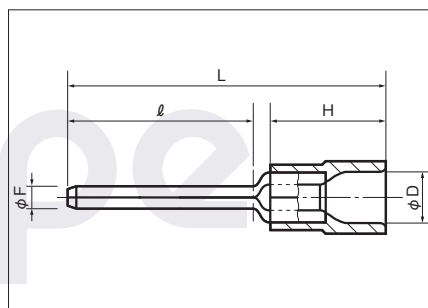


RoHS10

See page 2

Rated voltage 300V Rated current 17A

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No. HAND TOOL No.		STD COLOR	STD QTY/BOX
	φF	ℓ	L	H	D	STRANDED mm ²	AWG	TOOL BODY No.	DIES No.		
TGN TC-1.25-9T	1.1	9.0	25.0	16.0	φ3.6	0.3~1.65	22-16	(NH 11 / NH 32) NH 65B		TRANSPARENT	100
TGN TC-1.25-11T		11.0	27.0					NA 3 NA 10	N3 11T N10 11		100 1,000



RoHS10

See page 2

RoHS10

Yellow Nylon
See page 2

Non stock item

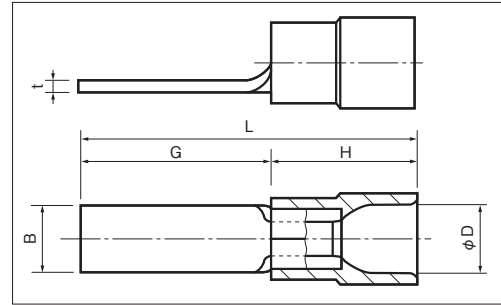
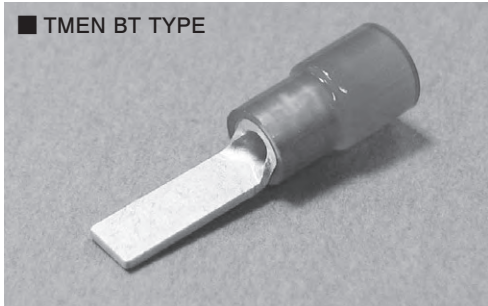
PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No. HAND TOOL No.		STD COLOR	STD QTY/BOX	
	φF	ℓ	L	H	φD	STRANDED mm ²	AWG	TOOL BODY No.	DIES No.			
TMEN TC-0.3-9.5 ○	1.0	9.5	20.8	10.0	2.8	0.2~0.5 0.3~0.5 UL·CSA USE	24-20 22-20 UL·CSA USE	NH 5 NH 32	NA 10 NA 3	N10 10 N3 5	YELLOW TRANSLUCENT	1,000 (100×10)
TMEN TC-1.25-11 ○	1.9	11.0	23.0	10.0	4.1	0.3 1.65	22-16	NH 11 NH 32	NA 10 NA 3	N10 11 N3 11	RED TRANSLUCENT	1,000 (100×10)
TMEN TC-1.25-11S ○	1.5											
TMEN TC-1.25-16 ○	1.9											
TMEN TC-1.25-16S ○	1.5											
TMEN TC-1.25-20 ○	1.9											
TMEN TC-1.25-20S ○	1.5											
TMEN TC-2-11 ○	1.9	11.0	23.0	10.0	4.6	1.04 2.63	16-14	NH 12 NH 32	NA 10 NA 3	N10 12 N3 12	BLUE TRANSLUCENT	1,000 (100×10)
TMEN TC-2-11S ○	1.5											
TMEN TC-2-16 ○	1.9											
TMEN TC-2-16S ○	1.5											
TMEN TC-2-20 ○	1.9											
TMEN TC-2-20S ○	1.5											
TMEN TC-3.5-11S ○	1.9	11.0	29.0	14.0	6.3	2.63 4.6	12	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW TRANSLUCENT	100
TMEN TC-5.5-11 ○	2.7	11.0	28.5	14.0	6.8	2.63 6.64	12-10	NH 13	NA 10 NA 3	N10 13 N3 13	YELLOW TRANSLUCENT	100

NOTE 1) ○ : UL/CSA △ : UL

2) Please refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

B

INSULATED BLADE TERMINALS (BT TYPE) TMEN : Nylon

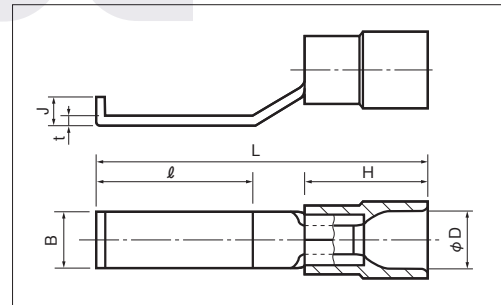
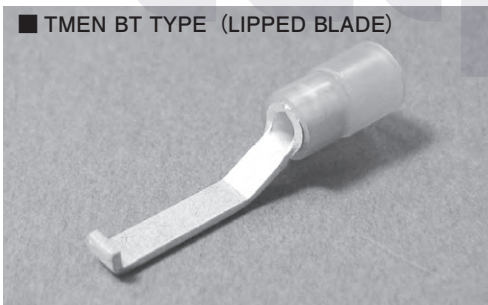


RoHS 10
See page 2

RoHS 10
Yellow Nylon
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	t	L	G	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.		
TMEN BT-1.25-9-1 ○	2.2	0.75	19.0	9.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32	RED TRANSLUCENT	1,000 (100×10)	
TMEN BT-1.25-9 ○	2.8		19.1	9.1								
TMEN BT-1.25-10-1 ○	2.2		20.5	10.5								
TMEN BT-1.25-10 ○	3.4		20.3	10.3								
TMEN BT-1.25-11 ○	3.0		21.2	11.2								
TMEN BT-1.25-13 ○	3.4		23.0	13.0								
TMEN BT-1.25-14 ○	3.0		24.6	14.6								
TMEN BT-1.25-18 ○	2.2		28.5	18.5								
TMEN BT-2-9-1 ○	2.2	0.85	19.0	9.0	10.0	4.6	1.04 ∩ 2.63	16-14	NH 12 NH 32	BLUE TRANSLUCENT	1,000 (100×10)	
TMEN BT-2-9 ○	2.8		19.1	9.1								
TMEN BT-2-13 ○	4.6		23.0	13.0								
TMEN BT-2-18 ○	2.2		28.5	18.5								
TMEN BT-5.5-10 ○	2.8	0.95	24.0	10.0	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13	YELLOW TRANSLUCENT	100	
TMEN BT-5.5-13 ○	4.5		27.0	13.0								
TMEN BT-5.5-18 ○	4.5		32.0	18.0								



RoHS 10
See page 2

RoHS 10
Yellow Nylon
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX									
	B	t	ℓ	L	J	H	φD	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.			DIES No.								
TMEN BT-1.25-17 ○	3.0	0.75	12.7	27.0	2.25	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32	NA 10 NA 3	N10 11 N3 11	RED TRANSLUCENT	1,000 (100×10)								
TMEN BT-2-17 ○		0.85			2.30										4.6	1.04 ∩ 2.63	16-14	NH 12 NH 32	NA 10 NA 3	N10 12 N3 12	BLUE TRANSLUCENT	1,000 (100×10)
TMEN BT-5.5-17-1 ○		0.95			31.0										2.45	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13	NA 10 NA 3	N10 13 N3 13

NOTE 1) ○ : UL/CSA

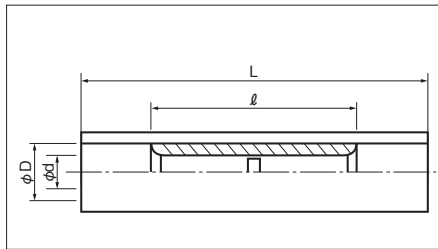
- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMD & TMDEN Type are also available, see page 42.



INSULATED BUTT CONNECTORS (B TYPE) **TGV** **TMV** **TMDV** : Vinyl

SEAMLESS BUTT

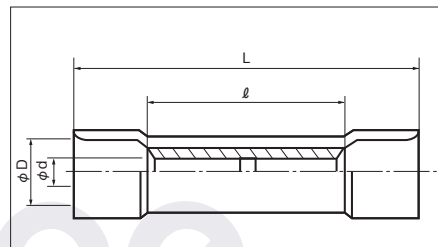
■ TGV (NON FLARE)



RoHS 6
See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	phi d	phi D	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TGV B-0.5	1.4	2.6	24.0	11.5	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 N10 10 N3 5	YELLOW	1,000 (100×10)
TGV B-1.25 ◇	1.8	3.2	25.5	15.0	0.3~1.65	22-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TGV B-2 ◇	2.3	3.9	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)
TGV B-5.5 ◇	3.5	5.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW	500 (100×5)

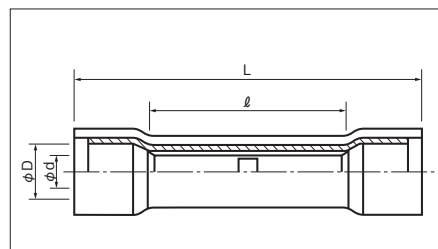
■ TMV (FLARED)



RoHS10 See page 2
RoHS 6 TMV B-0.5 See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	phi d	phi D	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TMV B-0.5 ◇	1.4	2.9	24.0	11.5	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 N10 10 N3 5	YELLOW	1,000 (100×10)
TMV B-1.25 ◇	1.8	3.8	25.5	15.0	0.3~1.65	22~16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TMV B-2 ◇	2.3	4.5	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)
TMV B-5.5 ◇	3.5	6.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW	500 (100×5)

■ TMDV (with extra copper sleeve)



RoHS 6
See page 2

Non stock item

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	phi d	phi D	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TMDVB-1.25 ◇	1.8	3.6	25.5	15.0	0.3~1.65	22-16		NH 11 NH 32	RED	1,000 (100×10)
TMDVB-2 ◇	2.3	4.3	25.5	15.0	1.04~2.63	16-14		NH 12 NH 32	BLUE	1,000 (100×10)
TMDVB-5.5 ◇	3.5	6.0	27.5	15.0	2.63~6.64	12-10		NH 13	YELLOW	500 (100×5)

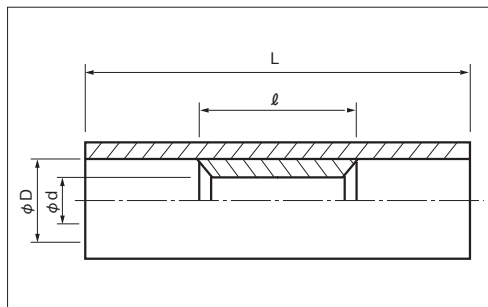
NOTE 1) ◇ : CSA

- Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire.
- Transparent and colored insulators are available for TGV B and TMV B(Vinyl).



INSULATED PARALLEL CONNECTORS (P TYPE) **TMV** : Vinyl

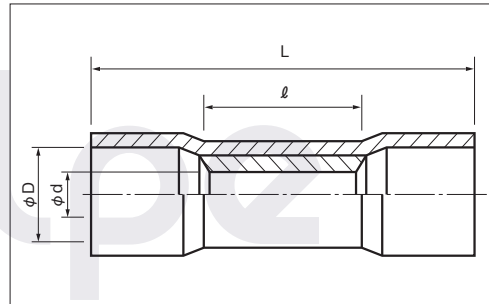
■ TGV (NON FLARE)



RoHS 6
See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TGV P-1.25 ◇	1.8	3.2	19.0	8.0	0.3~1.65	22-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TGV P-2 ◇	2.3	3.9	19.0	8.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)
TGV P-5.5 ◇	3.5	5.4	21.5	8.5	2.63~6.64	12-10	NA 10 NA 3	NH-13 N10 13 N3 13	YELLOW	1,000 (100×10)

■ TMV (FLARED)



RoHS 6
See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TMV P-0.5 ◇	1.4	2.9	19.0	8.0	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 N10 10 N3 5	YELLOW	1,000 (100×10)
TMV P-1.25 ◇	1.8	3.8	19.0	8.0	0.3~1.65	22-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TMV P-2 ◇	2.3	4.5	19.0	8.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)
TMV P-5.5 ◇	3.5	6.4	21.5	8.5	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW	1,000 (100×10)

NOTE 1) ◇ : CSA

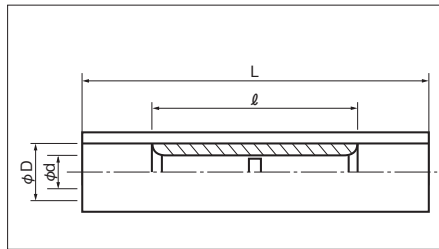
2) Transparent insulator is also available for TGVP and TMVP(Vinyl).



INSULATED BUTT CONNECTORS (B TYPE) TGN TMN : Nylon

SEAMLESS BUTT

■ TGN (NON FLARE)



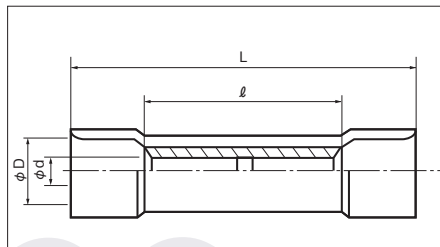
RoHS10 See page 2

RoHS10 See page 2

Non stock item

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	ϕd	ϕD	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TGN B-1.25 ◇	1.8	3.2	25.5	15.0	0.5~1.65	20-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED TRANSLUCENT	1,000 (100×10)
TGN B-2 ◇	2.3	3.9	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE TRANSLUCENT	
TGN B-5.5 ◇	3.5	5.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW TRANSLUCENT	500 (100×5)

■ TMN (FLARED)



RoHS10 See page 2

RoHS10 See page 2

Non stock item

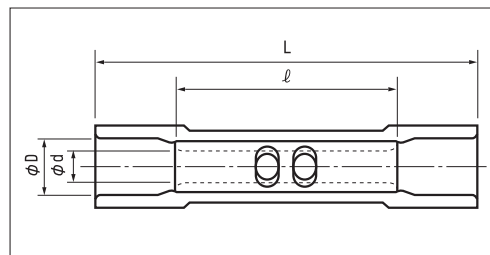
PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	ϕd	ϕD	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TMN B-1.25 ◇	1.8	3.8	25.5	15.0	0.5~1.65	20~16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED TRANSLUCENT	1,000 (100×10)
TMN B-2 ◇	2.3	4.5	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE TRANSLUCENT	
TMN B-5.5 ◇	3.5	6.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW TRANSLUCENT	500 (100×5)

NOTE 1) ◇ : CSA

2) Refer to page 41 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

ENVIRONMENTALLY FRIENDLY INSULATED BUTT CONNECTORS

Polycarbonate



RoHS10 See page 2

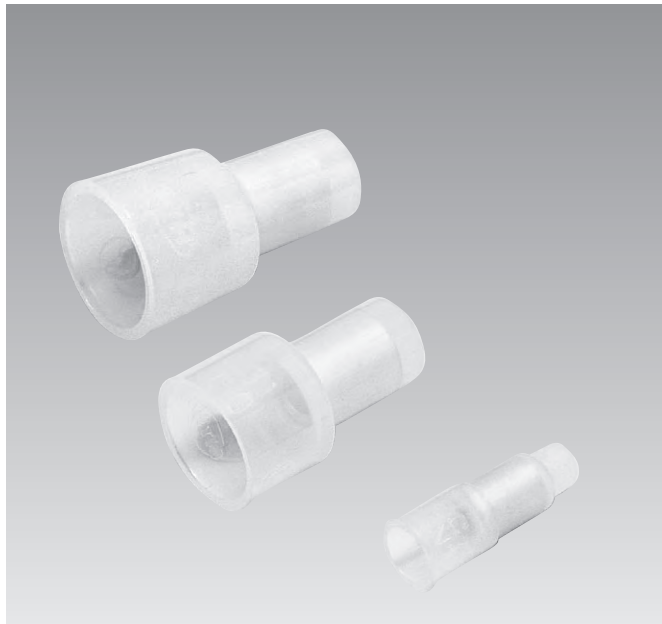
PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	ϕd	ϕD	L	l	STRANDED mm ²	AWG	HAND TOOL No.			
							TOOL BODY No.	DIES No.		
TMX BP-1.25	1.7	3.8	25.5	15.0	0.5~1.65	20-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	TRANSLUCENT	1,000 (100×10)
TMX BP-2	2.3	4.5	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 NA10 12 NA3 12	TRANSLUCENT	

NOTE 1) Refer to page 41 for UL/CSA, insulator material, proper strip length of wire.

B



CLOSED END CONNECTORS



SPECIFICATION

- **MATERIAL** : Oxygen free copper tube.
(electro-tin-plated)
INSULATOR : NYLON
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : EC05-1 3A
EC1-1, CE-1, 7A
EC2-2, EC2-3, CE-2, 12A
EC3-1, CE-5, 17A
CE-8 23A
- **INSULATOR TEMPERATURE** : -40°C ~ +105°C
- **FLAME RETARDANCE** : UL94V2 (Available UL94V0 upon your request)

NOTE

Use for internal wiring of home appliances.

UL/CSA

Use with listed wire combinations.

STANDARDS

- Japanese Industrial Standards JIS C2807
- UL486C (File No. E44245)
- CSA C22.2 No.188(File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- For copper wire only.
- Use our recommended tools.
- Use within specified wire range.
- Use as soon as possible after opening the package.
- Keep unused parts in closed container.

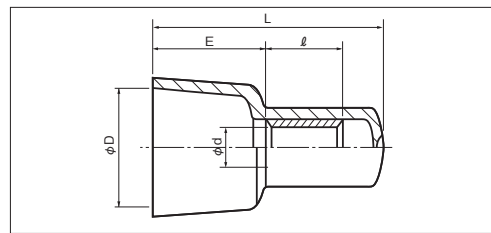
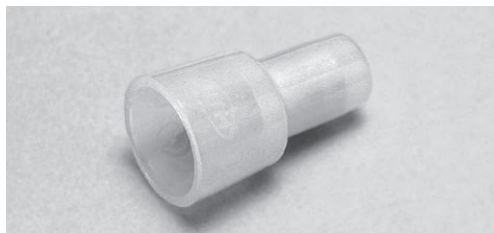
APPLICABLE WIRE

Wire range and performance ratings comply with JIS standards wire(IV, KIV, VSF) as per JIS C 2807:2003;-

1. Available for wire with max. strand dia. 1.0mm
2. When multiple wires with different dia. are crimped, the smaller wire dia. must be more than 1/2 of the bigger wire, if the bigger wire is over 0.5mm dia.

CLOSED END CONNECTORS (CE TYPE)

JIS C 2807



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		INS	COLOR	STD QTY/BOX
	φd	φD	L	ℓ	E	mm ²	AWG	Hand	Pneumatic			
CE 1	2.4	6.5	18.0	6.2	8.8	0.5~1.75	22-16	NH 38	Please see the tooling page for applicable dies with NA10 · NA 3.	Nylon	Milky White	1,000 (100×10)
CE 2	3.0	8.0	21.0	7.3	9.6	1.0~3.0	16-14					
CE 5	3.9	10.5	28.0	7.2	10.8	2.5~6.0	12-10					
CE 8	4.8	12.0	24.5	8.2	11.9	4.0~9.0	8					500 (100×5)

NOTE 1) ● : JIS · UL · CSA

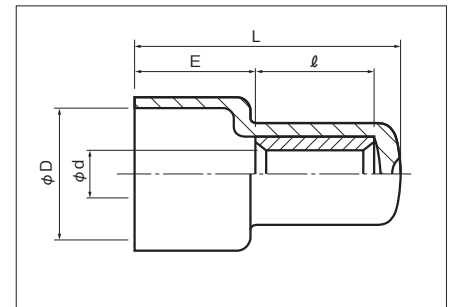
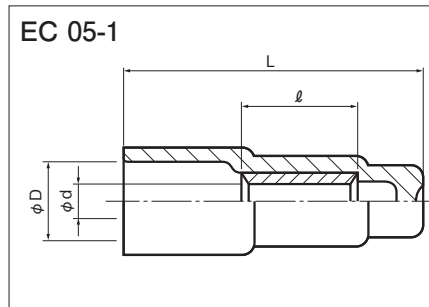
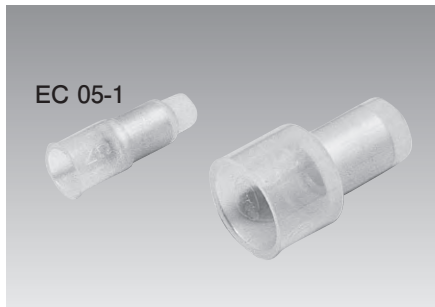
2) For UL/CSA, see tool selection. (Page 139)

WIRE COMBINATIONS CHART(UL/CSA)

See next page how to use this chart.

PART NUMBER	WIRE RANGE mm ²	WIRE A		WIRE B mm ² (AWG)							
		mm ² (AWG)	PCS	0.3 (22)	0.5 (20)	0.75 (18)	1.25 (16)	2.0 (14)	3.5 (12)	5.5 (10)	
CE 1	0.5~1.75	0.3 (22)	1	1~3	1~2	1	1	—	—	—	—
			2	0~2	1~2	1	—	—	—	—	—
			3	0~1	1	1	—	—	—	—	—
		0.5 (20)	1	1~3	1~2	1	1	—	—	—	—
			2	1~2	0~1	—	—	—	—	—	—
CE 2	1.0~3.0	0.3 (22)	1	3~7	2~4	1~2	1~2	1	—	—	—
			2	2~6	1~3	1~2	1	1	—	—	—
			3	1~5	1~3	1~2	1	1	—	—	—
		0.5 (20)	1	2~6	1~4	1~2	1~2	1	—	—	—
			2	1~5	0~3	1~2	1	1	—	—	—
			3	1~4	0~2	1~2	1	—	—	—	—
		0.75 (18)	1	1~5	1~3	1~2	1	1	—	—	—
			2	1~4	1~2	0~1	1	—	—	—	—
			3	1~2	1	0	—	—	—	—	—
			1.25 (16)	1	1~4	1~2	1~2	1	—	—	—
CE 5	2.5~6.0	0.3 (22)	1	1~2	1	—	—	—	—	—	
			1	7~9	5~9	3~6	2~3	2	1	1	
			2	6~8	4~8	3~6	2~3	1	1	—	
		0.5 (20)	3	5~7	4~7	3~5	2	1	—	—	
			1	7~8	4~8	3~5	2~3	1~2	1	1	
			2	5~7	3~7	2~4	1~2	1~2	1	—	
		0.75 (18)	3	3~5	2~6	2~3	1~2	1~2	1	—	
			1	6~8	4~7	3~5	2~3	1~2	1	—	
			2	4~6	1~5	2~4	1~2	1~2	1	—	
		1.25 (16)	3	1~5	1~3	1~3	1~2	1	—	—	
			1	5~8	3~4	2~4	1~2	1~2	1	—	
			2	1~6	1~3	1~2	0~1	1	—	—	
		2.0 (14)	3	1~5	1~2	1~2	0	—	—	—	
			1	2~7	1~6	1~4	1~2	1~2	1	—	
		CE 8	4.0~9.0	0.5 (20)	1	1~6	1~4	1~2	1	—	—
1	—				7~12	5~8	3~4	2~3	1~2	1	
2	—				6~11	4~7	2~4	2~3	1~2	1	
0.75 (18)	3			—	5~10	4~7	2~4	2	1	1	
	4			—	4~9	3~6	1~3	1~2	1	1	
	5			—	3~8	2~5	1~3	1~2	1	1	
	6			—	2~7	2~4	1~2	1	1	1	
	1			—	7~11	5~8	3~4	2~3	1~2	1	
	2			—	5~10	4~7	2~4	2	1~2	1	
1.25 (16)	3			—	4~9	3~6	2~3	1~2	1	1	
	4			—	2~8	2~5	1~2	1~2	1	1	
	5			—	1~6	1~4	1~2	1	1	—	
2.0 (14)	1			—	7~11	4~8	3~4	2	1	1	
	2			—	5~10	2~6	2~3	1~2	1	—	
	3			—	1~7	1~4	1~2	1~2	1	—	
3.5 (12)	4	—	1~6	1~3	0~1	1~2	1	—			
	1	—	7~10	3~7	2~4	1~2	1	1			
	2	—	1~8	1~4	1~2	0~1	1	—			
5.5 (10)	3	—	1~5	1~2	1~2	1	0	—			
	1	—	1~8	1~5	1~2	1	1	1			

CLOSED END CONNECTORS (EC TYPE)



RoHS10
See page 2

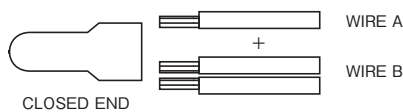
PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		INS	COLOR	STD QTY/BOX
	φd	φD	L	ℓ	E	mm ²	AWG	Hand	Pneumatic TOOL BODY No. DIES No.			
EC 05-1	1.6	3.5	13.0	5.0	5.1	0.13~0.9	26-18	NH 5	NA 3 N3 5	Nylon	Milky White	2,000 (1,000×2)
EC 1-1	2.2	6.2	15.2	7.8	5.7	0.5~1.65	22-16	NH 38	Please see the tooling page for applicable dies with NA10 · NA 3.			1,000 (100×10)
EC 2-2 ○		7.9	16.5	8.0	7.0	1.0~2.63	16-14					
EC 2-3 ○	3.0	8.0	23.0	7.3	9.6	1.0~3.0						
EC 3-1 ○	3.5	9.4	19.0	8.6	8.1	2.63~6.64	12-10					

NOTE 1) ○ : For UL/CSA, see tool selection. (Page 139)

WIRE COMBINATIONS CHART (UL/CSA)

PART NUMBER	WIRE COMBINATION mm ²	WIRE A		WIRE B mm ² (AWG)					
		mm ² (AWG)	PCS	0.5 (20)	0.75 (18)	1.25 (16)	2.0 (14)	3.5 (12)	
EC 2-2	1.0~2.63	0.5 (20)	1	1~3	1~2	1	—	—	
		0.75 (18)		1~3	1	1	—	—	
		1.25 (16)		1~2	1	1	—	—	
		0.5 (20)		2	0~2	1	1	—	—
EC 2-3	1.0~3.0	0.5 (20)	1	1~3	1~3	1~2	1	—	
		0.75 (18)		1~3	1~2	1~2	1	—	
		1.25 (16)		1~3	1~2	1	1	—	
		2.0 (14)		1~2	1	1	—	—	
		0.5 (20)		2	0~2	1~2	1	—	—
EC 3-1	2.63~6.64	0.5 (20)	1	5	3~5	2~3	2	1	
		0.75 (18)		4~5	3~4	2~3	1~2	1	
		1.25 (16)		3~4	2~4	1~2	1	1	
		2.0 (14)		2~4	1~3	1~2	1	1	
		3.5 (12)		1~3	1~2	1	—	—	
		0.5 (20)		2	4	3~4	2	1	1
		0.75 (18)			3~4	2~3	1~2	1	1
		1.25 (16)			1~3	1~2	0~1	1	—

How to use this chart.



1. Choose wire size and number of wires from WIRE A.
2. Select wire size from the upper part of WIRE B.

3. Find the cross section of the chart from the wire sizes of 1. & 2. to find the number of wires in WIRE B.
4. Add the numbers of wire of WIRE A & WIRE B.
This number is the total number of wire combinations applicable for wire size A & wire size B

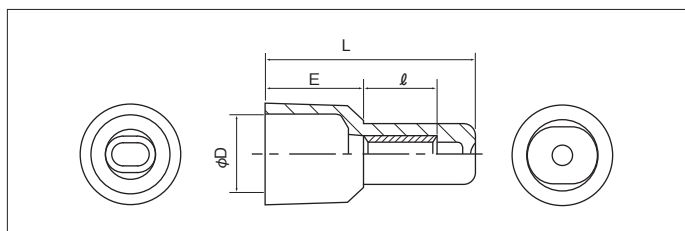
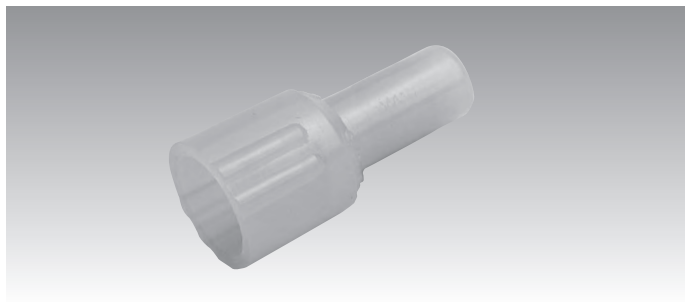
HIGH TEMP CLOSED END CONNECTORS

SPECIFICATION

When a fire breaks out, the circuit for the fire alarm must withstand the enormous heat to activate the alarm. These closed end connectors surpass the temperature rise test to 380 °C in 15 minutes.

FEATURE

- RATED CURRENT SQ CE-2HP/5HP : 5A
- RATED VOLTAGE 300V
- INSTALLATION TEMP : 0 ~ 40°C
- INSULATOR TEMPERATURE : -40 ~ 75°C



RoHS10

See page 2

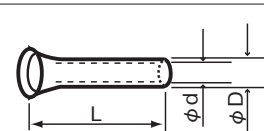
PART NUMBER	DIMENSIONS mm				TOOL No.	MATERIAL OF INSULATOR	COLOR	STD QTY/BOX
	φ D	L	l	E				
SQ CE - 2HP	9.6	20.0	7.0	9.5	NH 40	CROSS LINKED POLYETHYLENE	RED TRANSLUCENT	1,000(100×10)
SQ CE - 5HP	12.3	22.0	8.1	10.0				500(100×5)

EXAMPLE OF WIRE COMBINATION

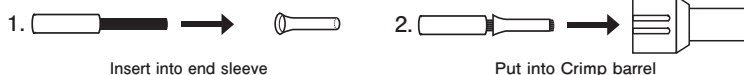
PART NUMBER	SOLID + SOLID WIRE				SOLID + STRANDED WIRE (USE END SLEEVE FOR STRANDED WIRE)	TOOL No.	
	φ 0.9mm	φ 1.0mm	φ 1.2mm	φ 1.6mm		DIE ID	
SQ CE - 2HP	2pcs	—	2pcs	—	φ 0.9mm×1pc+0.5mm ² ×1pc φ 0.9mm×1pc+0.75mm ² ×1pc φ 1.0mm×1pc+0.5mm ² ×1pc φ 1.0mm×1pc+0.75mm ² ×1pc	2HP	NH 40
	φ 0.9mm×1pc+ φ 1.2mm×1pc						
SQ CE - 5HP	3~4pcs	—	3~4pcs	2pcs	φ 0.9mm×1pc+1.25mm ² ×1pc φ 1.0mm×1pc+1.25mm ² ×1pc φ 1.2mm×1pc+0.5mm ² ×1~2pcs φ 1.2mm×1pc+0.75mm ² ×1~2pcs φ 1.2mm×1pc+1.25mm ² ×1pc φ 1.2mm×2pcs+0.5mm ² ×1pc	5HP	NH 40
	φ 0.9mm×1pc+ φ 1.2mm×2pcs φ 0.9mm×2pcs+ φ 1.2mm×1pc						

Use applicable end sleeve from the chart

STRANDED WIRE SIZE	0.5mm ²	0.75mm ²	1.25mm ²
PART No. OF END SLEEVE	E 0.5	E 0.75	E 1.25
DIMENSIONS (mm)	φ d × φ D × L 1.0 × 1.3 × 10	φ d × φ D × L 1.2 × 1.5 × 10	φ d × φ D × L 1.6 × 1.8 × 10



NOTE : Stranded wires must be inserted into the end sleeves before crimping.

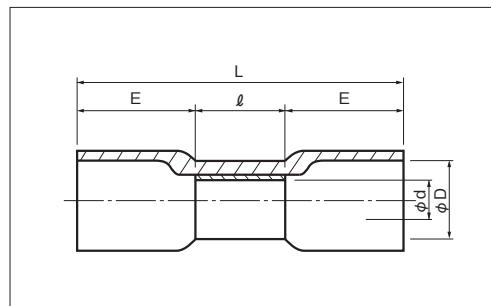


Insert into end sleeve

Put into Crimp barrel



INTERMEDIATE CONNECTORS (MP TYPE)



RoHS 10

See page 2

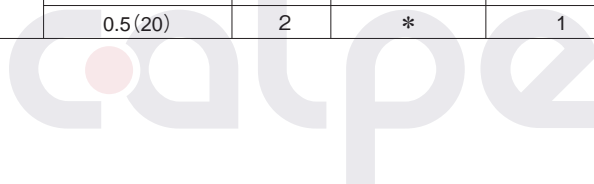
PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		INS	COLOR	STD QTY/BOX
	φd	φD	L	ℓ	E	mm ²	AWG	HAND TOOL No.				
								TOOL BODY No.	DIES No.			
MP 2-4	2.8	6.0	25.0	7.0	9.0	1.0~3.0	16-14	NH 38 NA 3 N3 14		Nylon	Translucent	1,000

WIRE COMBINATIONS CHART

■ See page 67 how to use this chart.

* There is a same combination.

PART NUMBER	WIRE COMBINATION mm ²	WIRE A		WIRE B mm ² (AWG)			
		mm ² (AWG)	PCS	0.5 (20)	0.75 (18)	1.25 (16)	2.0 (14)
MP 2-4	1.0~3.0	0.5 (20)	1	1~3	1~2	1	1
		0.75 (18)		1~3	1~2	1	1
		1.25 (16)		1~2	1	1	—
		2.0 (14)		1	1	—	—
		0.5 (20)	2	*	1	—	—





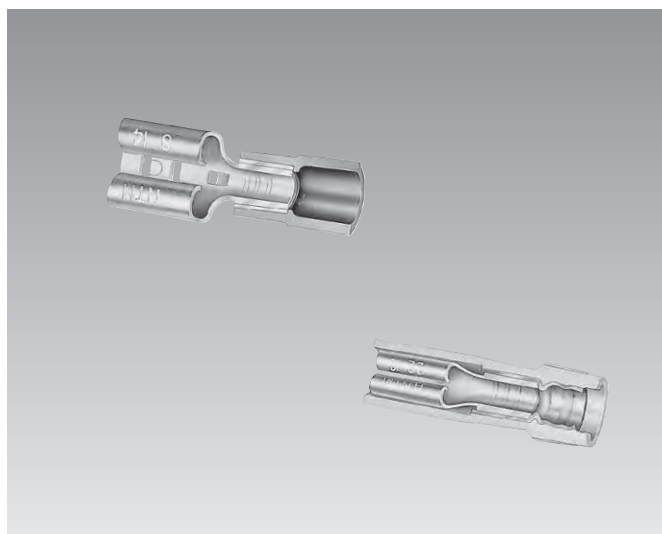
QUICK-DISCONNECTS

SPECIFICATION

- **MATERIAL** : Terminal : Brass (Electro-tin-plated)
Sleeve : Oxygen free copper tube (electro-tin-plated)
Insulator : Vinyl/Nylon
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : See following table

TAB WIDTH	WIRE SIZE mm ²			
	0.75	1.25	2	5.5
2.8mm (.110)	8A	12A	—	—
4.8mm (.187)	10A	15A	20A	—
6.3mm (.250)	10A	15A	20A	20A

- **INSULATOR TEMPERATURE** : - 40°C ~ + 75°C Vinyl
- 40°C ~ + 105°C Nylon
- **FLAME RETARDANCE** : UL94V0 Vinyl
UL94V2 Nylon



STANDARDS

- UL310 (File No. E78965)
- CSA C22.2 No.153 (File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- For copper wire only.
- Use our recommended tools.
- Use within specified wire range.

(NOTE) **APPLICABLE WIRE**

Wire range and performance ratings comply with JIS standard wire (IV, KIV, VSF)

UL/CSA

For UL/CSA listed or certified, use proper Nichifu crimp tool. To find correct tool, see our tool selection page 138~142

INSULATOR/COLOR

STANDARD COLOR			
	TMED1.25	TMED2	TMED5.5
VINYL	Red	Blue	Yellow
NYLON	Red translucent	Blue translucent	Yellow translucent

WIRE STRIP LENGTH

● Strip length should be approx. 2mm longer than crimp barrel length. (Conductor should come out 1mm from crimp barrel.)

NYLON PRODUCTS

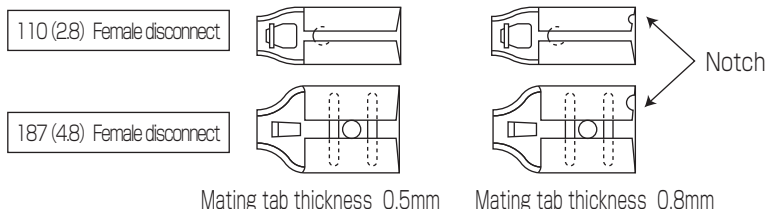
● Due to greater water absorption rate than vinyl, keep unused parts in closed container.

■ STRUCTURE OF OUR PART NUMBER

TMED	V	28	05	09	-	F
INSULATOR SHAPE	INSULATOR MATERIAL	TAB WIDTH	TAB THICKNESS	NOMINAL SIZE		TERMINAL SHAPE
TMED TMD TMDE SEE NEXT PAGE	V : VINYL N : NYLON	28 : 2.8mm 48 : 4.8mm 63 : 6.3mm	05 : 0.5mm 08 : 0.8mm	09 : 1.25mm ² 20 : 2mm ² 55 : 5.5mm ²		F M FA MA See next page

■ MATING TAB IDENTIFICATION

To identify the tab thickness of 0.8mm, the female disconnect has a notch as shown in the illustration on the right



Mating tab thickness 0.5mm

Mating tab thickness 0.8mm

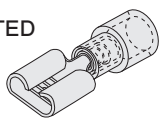


QUICK-DISCONNECTS

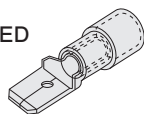
SHAPE OF MATING AREA



INSULATED FEMALE



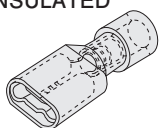
INSULATED MALE



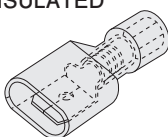
Partial insulation.



FULLY INSULATED FEMALE



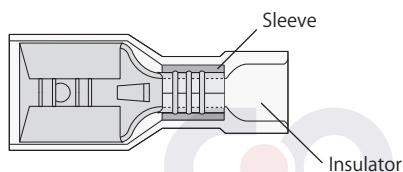
FULLY INSULATED MALE



Full insulation.

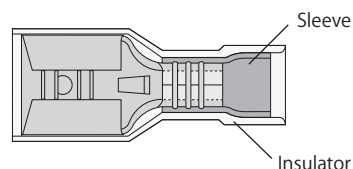
SHAPE OF WIRE ENTRANCE

■ TMED TYPE



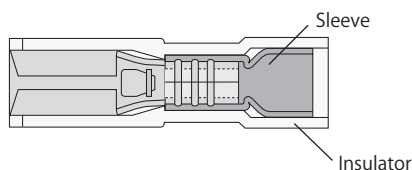
Copper sleeve on terminal barrel only.
Easy Entry

■ TMD TYPE



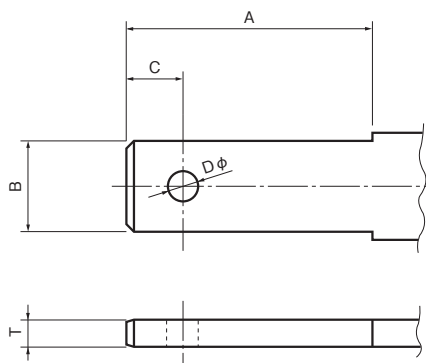
Double grip disconnects.
Vibration resistance.

■ TMDE TYPE

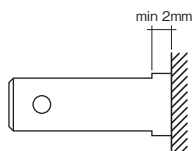


Nylon, easy entry, double grip disconnects,
Vibration resistance.

■ TAB dimension to be mated. Following table shows standard mating tab dimensions



SERIES	DIMENSIONS mm				
	A	B	C	ϕD	T
2.8 (110)	7.0	2.8 \pm 0.1	5.45 \pm 0.15	1.2 \pm 0.1	0.5 or 0.8
4.8 (187)	6.2	4.75 \pm 0.1	3.0 \pm 0.2	1.4 \pm 0.1	0.5 or 0.8
6.3 (250)	7.8	6.3 \pm 0.1	3.3 \pm 0.2	1.8 \pm 0.2	0.8

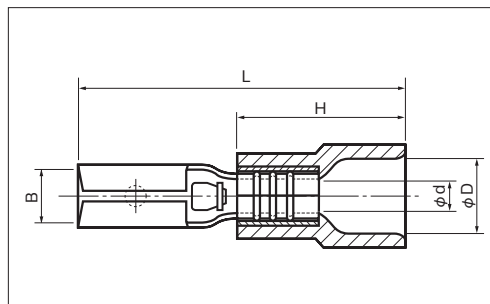
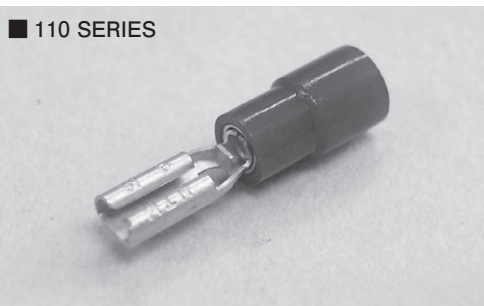


Mating tab dimensions for Fully Insulated Disconnect.
See illustration on the left.



QUICK-DISCONNECTS

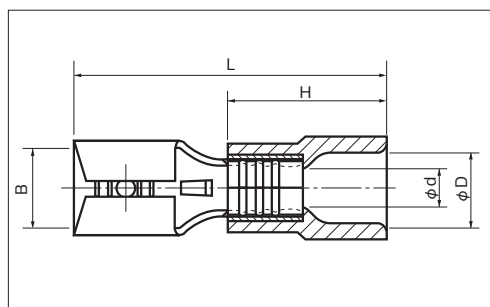
TMEDV : Vinyl



RoHS10

See page 2

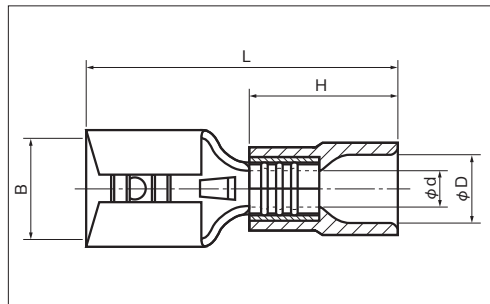
PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEDV 280509-F ○	3.2	19.5	1.8	4.1	10.0	0.5	0.75~1.25	18-16	NH 11	NH 32	RED	1,000 (100×10)
TMEDV 280809-F ○						0.8			NA 10	N10 11		
									NA 3	N3 11		



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEDV 480509-F ○	5.0	19.5	1.8	4.1	10.0	0.5	0.75~1.25	18-16	NH 11	NH 32	RED	1,000 (100×10)
TMEDV 480809-F ○						0.8			NA 10	N10 11		
TMEDV 480520-F ○	5.0	19.5	2.4	4.5	10.0	0.5	2.0	14	NH 12	NH 32	BLUE	1,000 (100×10)
TMEDV 480820-F ○						0.8			NA 10	N10 12		
									NA 3	N3 12		



RoHS10

See page 2

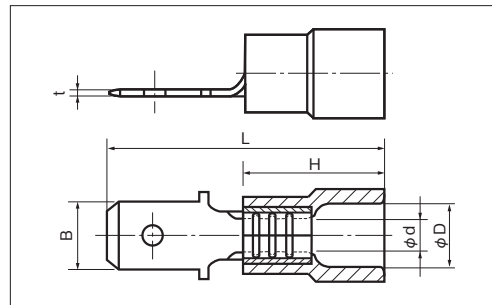
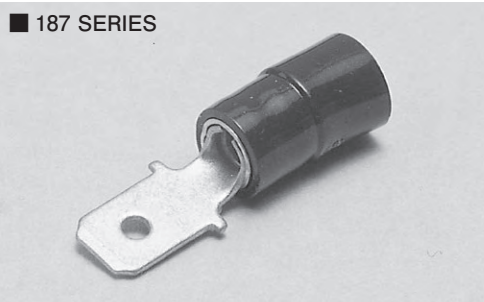
PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm ²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEDV 630809-F ○	6.8	21.0	1.7	4.1	10.0	0.8	0.75~1.25	18-16	NH 11	NH 32	RED	1000 (100×10)
TMEDV 630820-F ○									NA 10	N10 11		
									NA 3	N3 11		
									NH 12	NH 32	BLUE	
									NA 10	N10 12		
									NA 3	N3 12		
TMEDV 630855-F ○	6.8	25.0	3.5	6.8	14.0	0.8	3.5~5.5	12-10	NH 13	NH 32	YELLOW	
									NA 10	N10 13		
									NA 3	N3 13		

- NOTE 1) ○ : UL/CSA
 2) Refer to page 71 for UL/CSA, proper strip length of wire.
 3) TMD & TMDEN Types are also available, see page 72.



QUICK-DISCONNECTS

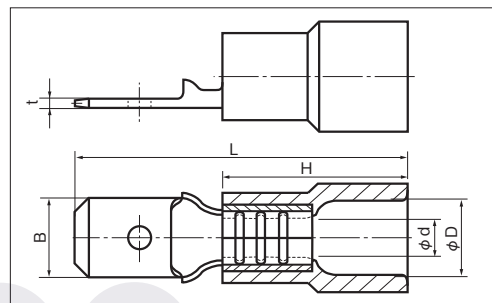
TMEDV : Vinyl



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	L	t	φd	φD	H	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEDV 480520-M ○	4.8	19.5	0.5	2.2	4.5	10.0	2.0	14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)



RoHS10

See page 2

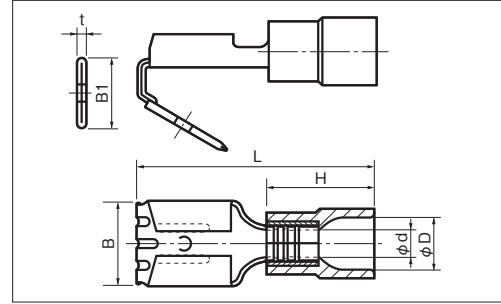
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	L	t	φd	φD	H	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEDV 630809-M ○	6.35	21.0	0.8	1.85	4.1	10.0	0.75~1.25	18-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TMEDV 630820-M ○	6.35	21.0	0.8	2.55	4.5	10.0	2.0	14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)
TMEDV 630855-M ○	6.35	25.0	0.8	3.65	6.8	14.0	3.5~5.5	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	YELLOW	500 (100×5)

- NOTE 1) ○ : UL/CSA
 2) Refer to page 71 for UL/CSA, proper strip length of wire.
 3) TMD & TMDEN Types are also available, see page 72.



QUICK-DISCONNECTS

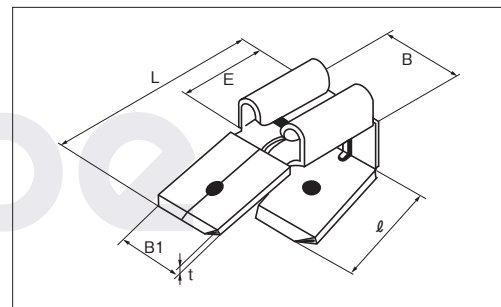
TMEDV : Vinyl



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	B1	L	φd	φD	H	t	STRANDED mm ²	AWG	HAND TOOL No.			
										TOOL BODY No.	DIES No.		
TMEDV 630809-V	6.9	6.35	22.0	1.85	4.1	10.0	0.8	0.75~1.25	18-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	RED	1,000 (100×10)
TMEDV 630820-V	6.9	6.35	22.0	2.55	4.5	10.0	0.8	2.0	14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	BLUE	1,000 (100×10)

NOTE 1) Refer to page 74 for proper strip length of wire.
2) TMD & TMDEN Types are also available , see page 75.



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm						TOOL No.		STD QTY/BOX
	B	B1	L	t	l	E	TOOL BODY No.	DIES No.	
63V	6.9	6.35	18.3	0.8	9.0	7.5	—	—	1,000

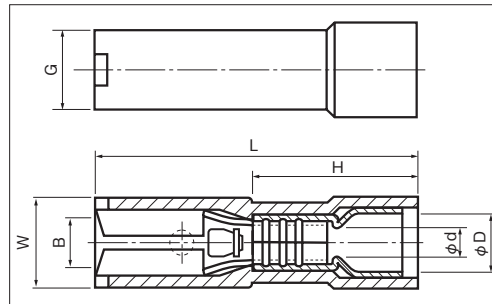


QUICK-DISCONNECTS

TMDEN
TMEDN : Nylon
TMDN

■ FULLY INSULATED
FEMALE DISCONNECTS

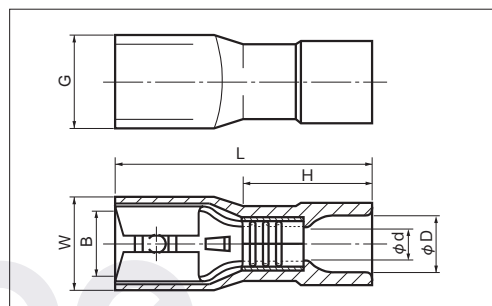
■ 110 SERIES



RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMDEN 280509-FA	3.2	5.5	19.5	1.9	3.4	4.8	10.0	0.5	0.75~1.25	18-16	NH 11 NH 32	RED TRANSLUCENT	1,000 (100×10)	
TMDEN 280809-FA								0.8			NA 10 NA 3			N10 11 N3 11

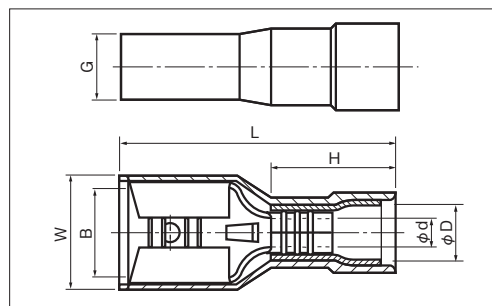
■ 187 SERIES



RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEDN 480509-FA ○	5.0	7.2	19.5	1.8	4.1	4.85	9.8	0.5	0.75~1.25	18-16	NH 11 NH 32	RED TRANSLUCENT	1,000 (100×10)	
TMEDN 480809-FA ○								0.8			NA 10 NA 3			N10 11 N3 11
TMEDN 480520-FA ○	5.0	7.2	19.5	2.4	4.5	5.6	9.8	0.5	2.0	14	NH 12 NH 32	BLUE TRANSLUCENT	1,000 (100×10)	
TMEDN 480820-FA ○								0.8			NA 10 NA 3			N10 12 N3 12

■ 250 SERIES



RoHS 10 See page 2
RoHS 10 Yellow Nylon See page 2

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMDN 630809-FA △	6.8	9.0	21.0	1.7	3.2	4.9	9.5	0.8	0.75~1.25	18-16	NH 11 NH 32	RED TRANSLUCENT	1,000 (100×10)	
TMDN 630820-FA △								0.8			NA 10 NA 3			N10 11 N3 11
TMDN 630855-FA △	6.8	9.0	21.0	2.4	3.9	5.2	9.5	0.8	2.0	14	NH 12 NH 32	BLUE TRANSLUCENT	1,000 (100×10)	
TMDN 630820-FA △								0.8			NA 10 NA 3			N10 12 N3 12
TMDN 630855-FA △	6.8	9.2	26.0	3.5	5.4	5.8	15.0	0.8	5.5	10	NH 13	YELLOW TRANSLUCENT	500 (100×5)	
TMDN 630855-FA △								0.8			NA 10 NA 3			N10 13 N3 13

NOTE 1) ○ : UL/CSA △ : UL

2) Refer to page 71 for UL/CSA, proper strip length of wire and Nylon insulated products.

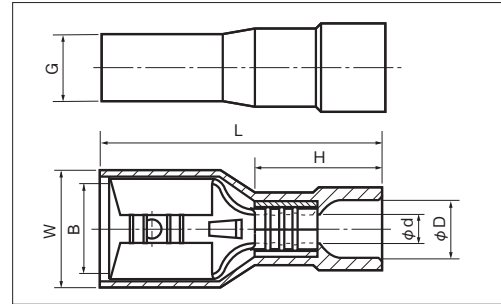


QUICK-DISCONNECTS

TMEDN : Nylon

FULLY INSULATED FEMALE DISCONNECTS

■ 250 SERIES



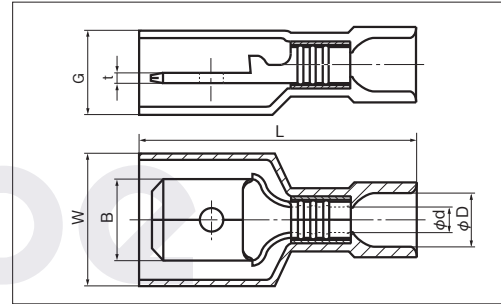
RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.	DIES No.		
TMEDN 630809-FA ○	6.8	9.0	21.0	1.7	4.1	4.9	9.5	0.8	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	RED TRANSLUCENT	1,000 (100×10)
TMEDN 630820-FA ○	6.8	9.0	21.0	2.4	4.5	5.2	9.5	0.8	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	BLUE TRANSLUCENT	1,000 (100×10)

Mate with TMEDN 630809MA and TMEDN 630820MA

FULLY INSULATED MALE DISCONNECTS

■ 250 SERIES



RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	B	W	t	L	φd	φD	G		H	STRANDED mm ²	AWG	HAND TOOL No.		
TMEDN 630809-MA ○	6.3	10.3	0.8	22.0	1.8	4.1	6.4	10.0	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	RED TRANSLUCENT	500 (100×5)
TMEDN 630820-MA ○	6.3	10.3	0.8	22.0	2.5	4.5	6.4	10.0	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	BLUE TRANSLUCENT	500 (100×5)

It is not appropriate to mate with ICTDN 630809FA and ICTDN 630820FA

NOTE 1) ○ : UL/CSA

2) Refer to page 71 for UL/CSA, proper strip length of wire and Nylon insulated products.

B



BULLETS & RECEPTACLES (PC · PCE TYPE)

SPECIFICATION

■ MATERIAL : Terminal : Brass (Electro-tin-plated)
Sleeve : Oxygen free copper tube
(electro-tin-plated)

Insulator: Nylon

■ RATED VOLTAGE : 300V

■ RATED CURRENT : See following table

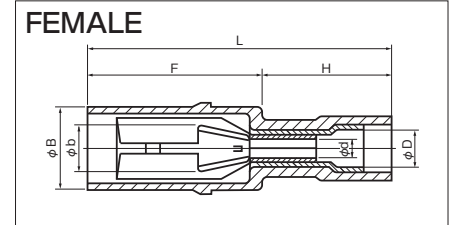
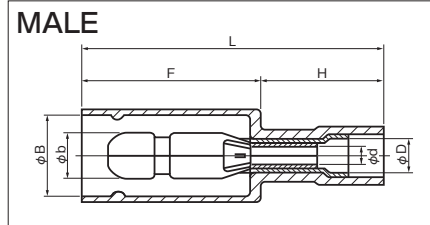
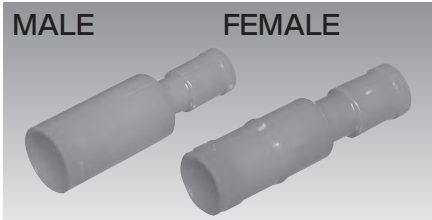
Wire mm ²	0.5	0.75	1.25	2
A	10	12	15	20

■ INSULATOR TEMPERATURE : - 40°C ~ + 105°C

■ FLAME RETARDANCE : UL94V2

■ APPLICABLE WIRE : Performance ratings comply with JIS standards wire (IV · KIV · VSF)

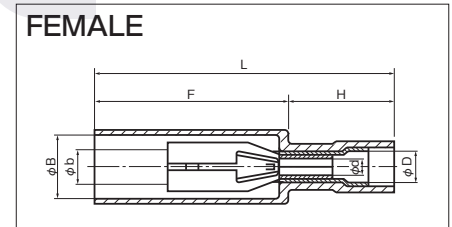
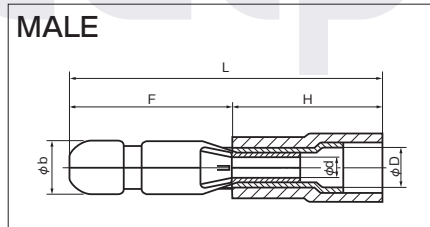
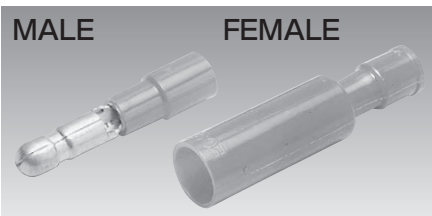
PC TYPE



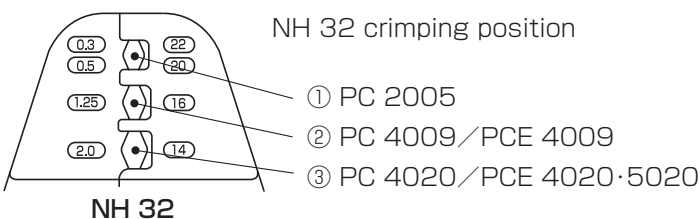
PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		INS	STD COLOR	STD QTY/BOX
	φb	φB	φd	φD	L	F	H	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.			
PC 2005-M	2.0	5.1	1.7	3.1	26.5	15.0	11.5	0.5 0.75	20-18	NH 5 NH 32 NA 10 NA 3	N10 10 N3 5	Nylon	TRANSLUCENT	1,000 (100×10)
PC 2005-F	2.0	4.7			24.5	13.0								
PC 4009-M	4.0	7.4	1.8	3.2	27.7	16.5	11.2	0.75 1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11		RED	1,000 (100×10)
PC 4009-F	3.9	6.9			26.2	15.0								
PC 4020-M	4.0	7.4	2.4	3.9	27.7	16.5	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	BLUE		1,000 (100×10)	
PC 4020-F	3.9	6.9			26.2	15.0								

No insulator lock on PC2005.

PCE TYPE



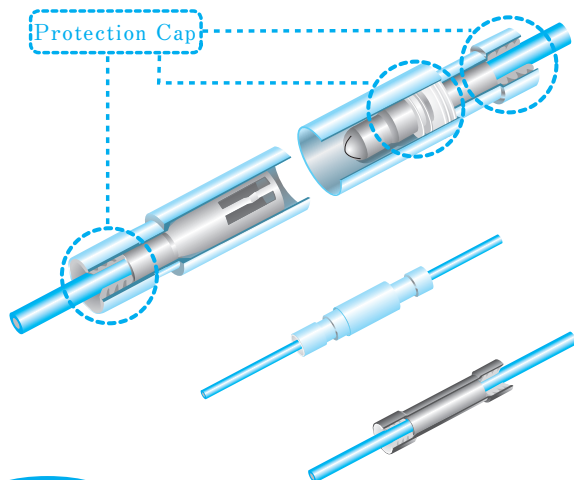
PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		INS	STD COLOR	STD QTY/BOX
	φb	φB	φd	φD	L	F	H	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.			
PCE 4009-M	4.0	—	1.8	3.2	25.2	13.0	12.2	0.75 1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	Nylon	RED	1,000 (100×10)
PCE 4009-F	3.9	6.5			31.5	20.3	11.2							
PCE 4020-M	4.0	—	2.4	3.9	25.2	13.0	12.2	2.0	14	NH 12 NH 32	N10 12 N3 12		BLUE	500 (100×5)
PCE 4020-F	3.9	6.5			31.5	20.3	11.2							
PCE 5020-M	5.0	—	2.4	3.9	25.2	13.0	12.2	2.0	14	NA 10 NA 3	N10 12 N3 12		BLUE	500 (100×5)
PCE 5020-F	4.9	7.4			31.5	20.3	11.2							





INSULATED BULLETS & RECEPTACLES • BUTTS, WP-TYPE

No heat required.



SPECIFICATION

■ RATED VOLTAGE 300V

■ RATED CURRENT

WIRE SIZE	PC	TMNB
1.25mm ²	15A	19A
2mm ²	20A	27A

■ FLAME RETARDANCE UL94V-2

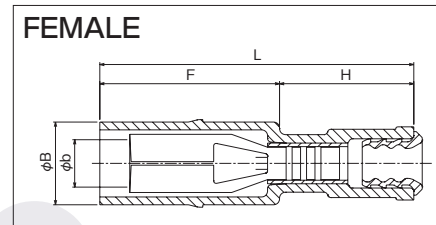
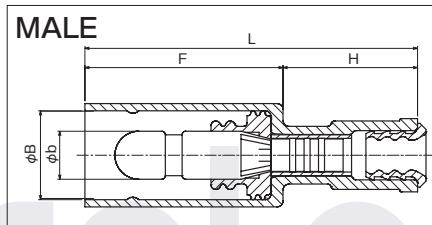
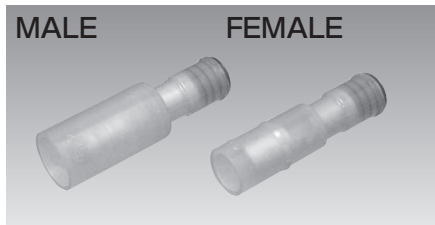
■ INSULATOR TEMPERATURE - 40°C ~ + 105°C

■ PROTECTION IP57 (IEC529)

RoHS10

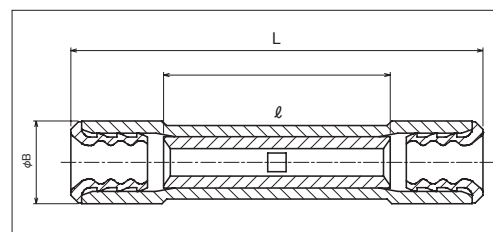
See page 2

INSULATED BULLETS/RECEPTACLES, WP-TYPE



PART NUMBER	DIMENSIONS mm					WIRE RANGE			TOOL No.	INS	STD COLOR	STD QTY/BOX
	φb	φB	L	F	H	STRANDED mm ²	AWG	WIRE OUTSIDE DIAMETER				
PC 4009-M-WP	4.0	7.4	27.7	16.5	11.2	0.75 1.25	18-16	φ2.6 φ3.2	NH 64	Nylon	RED TRANSLUCENT BLUE TRANSLUCENT	1,000 (100×10)
PC 4009-F-WP	3.9	6.9	26.2	15.0								
PC 4020-M-WP	4.0	7.4	27.7	16.5		2.0	14	φ3.0 φ3.6				
PC 4020-F-WP	3.9	6.9	26.2	15.0								

INSULATED BUTT CONNECTORS, WP-TYPE



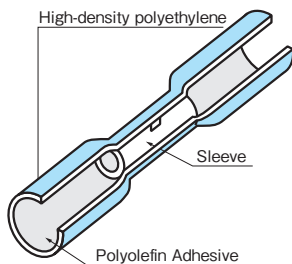
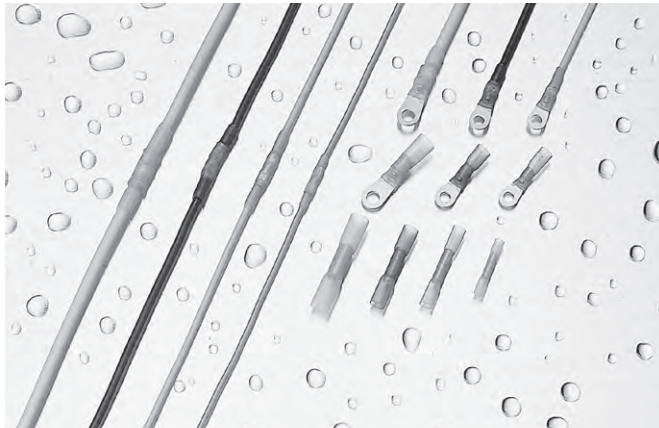
RoHS10

See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.	INS	STD COLOR	STD QTY/BOX
	L	φB	ℓ	STRANDED mm ²	AWG	WIRE OUTSIDE DIAMETER				
TMN B-1.25-WP	26.9	5.4	15.0	0.5 ~ 1.25	20-16	φ2.5 ~ φ2.9	NH 64	Nylon	RED TRANSLUCENT BLUE TRANSLUCENT	1,000 (100×10)
TMN B-2-WP		6.1								



HEAT-SHRINKABLE RINGS & BUTTS



■ CRIMP PROCESS

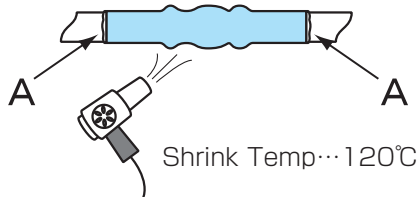
① WIRE INSERTION



② CRIMP



③ APPLY HEAT



When heated, shrink the outer polyethylene layer and melt the inner polyolefin liner of insulator.

The insulation of HEAT SHRINK RING (SR) and BUTT (SB) consists of a special double layer, high-density polyethylene and polyolefin adhesive. After crimping, the insulation is heated to shrink the outer polyethylene layer and to melt the inner polyolefin liner. This action squeezes out gas while filling all voids resulting in a sealed connection.

SPECIFICATION

■ RATED VOLTAGE 600V

PART NUMBER	WIRE RANGE	AMPERE
SR 1.25-*	0.75mm ²	16A
	1.25mm ²	19A
SR 2-*	2mm ²	27A
SR 5.5-*	5.5mm ²	48A

PART NUMBER	WIRE RANGE	AMPERE
SB 2218	0.3mm ²	5A
	0.5mm ²	8A
SB 1816	0.75mm ²	12A
	1.25mm ²	15A
SB 1614	2mm ²	23A
SB 1210	5.5mm ²	45A

■ Max. INS. TEMP 105°C

NOTE

■ HEATING TO SHRINK

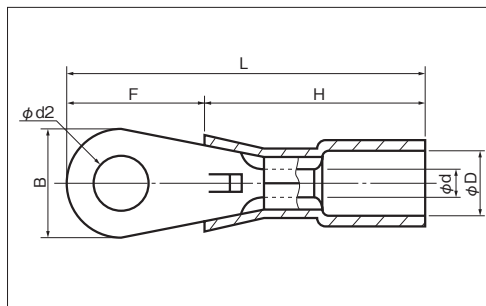
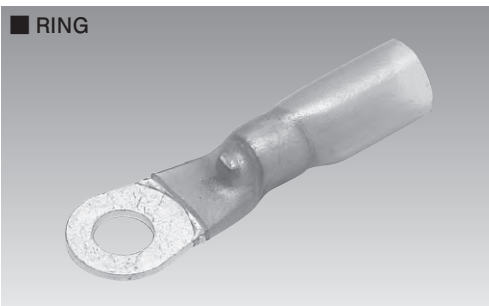
- Apply heat of 120°C on the insulator. Do not apply flame directly. Do not make excessive shrinkage, as such, by electric furnace of 140 °C, for over 5 minutes.
- Apply heat from the center of the butt moving towards the end while rotating the butt.
- Application of heat is sufficient when the inner adhesive melts and slightly protrudes from the outer insulator. (See left figure A)

■ Precautions on handling and storage.

- Keep out of direct sun light and hot places to avoid premature shrinkage.



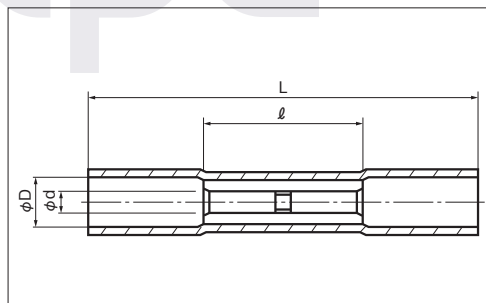
HEAT-SHRINKABLE RINGS & BUTTS



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.	STD COLOR	STD QTY/BOX		
	φd2	B	L	F	H	φD	φd				mm ²	AWG
SR 1.25-3C	3.2	5.5	25.3	7.0	16.5	4.2 (MIN)	1.7	0.75 1.25	18-16	NH 82A	Red Translucent	1000 (100×10)
SR 1.25-3.5C	3.7	6.6	25.8	8.0								
SR 1.25-4C	4.3	8.0	26.5	9.0								
SR 1.25-5C	5.3		26.5	10.0								
SR 2-3C	3.2	5.5	25.8	7.5	17.0	4.9 (MIN)	2.3	2.0	14	NH 82A	Blue Translucent	1000 (100×10)
SR 2-3.5C	3.7	6.6	26.3	8.0								
SR 2-4C	4.3	8.5	27.3	9.0								
SR 2-5C	5.3	9.5	27.8	9.5								
SR 5.5-3C	3.2	7.0	33.5	10.0	21.5	6.4 (MIN)	3.4	5.5	10	NH 82A	Yellow Translucent	1000 (100×10)
SR 5.5-3.5C	3.7											
SR 5.5-4NC	4.3											
SR 5.5-4C	4.3											
SR 5.5-5C	5.3											

NOTE 1) Dimension L · F · H shows minimum.

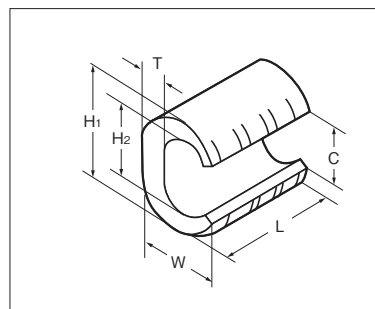
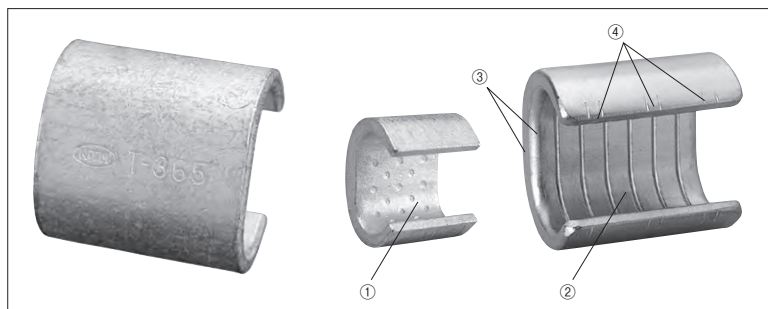


RoHS10
See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD COLOR	STD QTY/BOX
	φd	φD	L	ℓ	mm ²	AWG	Hand	Pneumatic		
SB 2218	1.4	2.9 (MIN)	25	11.5	0.3 0.5	22-20	NH 82A	NA 3 (N3 15)	Yellow Translucent	1000 (100×10)
SB 1816	1.8	4.2 (MIN)	37	15.0	0.75 1.25	18-16	NH 82A	NA 3 (N3 16)	Red Translucent	1000 (100×10)
SB 1614	2.3	4.9 (MIN)	37	15.0	2.0	14	NH 82A	NA 3 (N3 16)	Blue Translucent	1000 (100×10)
SB 1210	3.5	6.2 (MIN)	42	15.0	5.5	10	NH 82A	—	Yellow Translucent	500 (100×5)



CLAMP CONNECTORS



FEATURES

- Dimpled ^① or serrated ^② to obtain high pull-out value.
- Chamfered edges ^③ designed to protect the wire.
- Stamped lines ^④ show proper crimp dies position.

RoHS 10

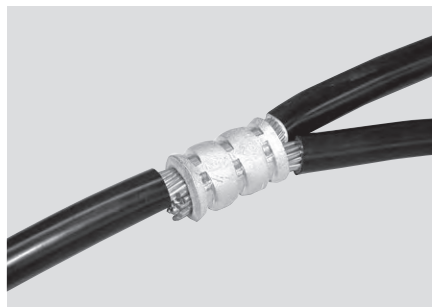
See page 2

PART NUMBER	DIMENSIONS mm						NUMBER OF CRIMP	COMBINATED WIRE RANGE (mm ²)	TOOL No.		STD QTY/BOX
	C	H2	H1	L	W	T			PUMP	HEAD	
T 7	3	5.2	7.6	10.0	5.2	1.2	2	3.5~7	NH 25A	100	
T 11	4.3	6.7	10.3	12.0	6.7	1.7		7.5~11			
T 16	5.0	7.8	11.5	13.0	8.5	2.0		11.5~16			
T 20	5.1	8.6	12.8	13.0	9.7	2.9	1	14~20	NOP 120 (Hydraulic tool)	100	
T 26	6.9	10.2	14.7	16.0	11.4	3.2		21~26			
T 44	8.4	13.4	19.2	19.8	13.8	4.0		27~44			
T 60	9.7	15.8	21.0	21.8	15.0	5.0	2	45~60	NOP 120 (Hydraulic tool)	100	
T 76	10.2	17.3	24.4		17.6						
T 98	13.2	20.0	27.5	25.0	19.2	6.0	3	77~98	NOM 3000 NOH 360	60	
T 122	14.6	22.1	29.5	26.0	21.5			5.5			99~122
T 154	15.5	24.6	33.2	27.6	23.4	7.0	3	123~154	NOM 3000 NOH 360	30	
T 190	20.3	28.8	37.5	35.0	25.7						
T 240	20.2	31.0	41.0	40.0	29.0	7.0	3	191~240	NOM 3000 NOH 360	20	
T 288	23.2	35.7	45.6	45.0	32.0						
T 365	23.3	37.0	47.5	50.0	35.0	10.0	3	289~365	NOM 3000 NP 520	5	
T 450	28.0	43.0	57.0	60.0	41.0						
T 560	31.0	46.0	62.0	65.0	45.0	11.0	3	366~450	NOM 3000 NP 520	5	
T 700	34.0	51.0	68.0	70.0	49.5	12.0		451~560			
								561~700			

* See next page for Wire combinations.



CLAMP CONNECTORS



■ WIRE COMBINATIONS CHART (IV)

BRANCH WIRE mm ² / MAIN WIRE mm ²	2	3.5	5.5	8	14	22	38	60	100	150	200	250	325
2	7	7											
3.5	7	7											
5.5	11	11	11										
8		16	16	16·20									
14	16·20	20	20	26	44								
22	26	26	44	44	44	44							
38	※ 44	※ 44	44	60	60	60	76						
60	※ 76	※ 76	76	76	76	98	98	122					
100	※ 122	※ 122	△ 122	122	122	122	154	190	240				
150	※ 154	※ 190	△ 190	△ 190	190	190	190	240	288	365			
200	※ 240	※ 240	△ 240	△ 240	240	240	240	288	365	365	450		
250			△ 288	△ 288	288	288	288	365	450	450	560	560	
325			△ 365	△ 365	△ 365	365	365	450	450	560	560	700	700
400							450	560	560	700	700		
500							560	700	700				
600							700	700					

■ WIRE COMBINATIONS CHART (CV)

BRANCH WIRE mm ² / MAIN WIRE mm ²	2	3.5	5.5	8	14	22	38	60	100	150	200	250	325
3.5	7	7											
5.5	11	11	11										
8		16	16	20									
14	20	20	20	26	44								
22	26	26	26	26	44	44							
38			44	60	60	60	76						
60			76	76	76	98	98	122					
100				122	122	122	154	190	240				
150					190	190	190	240	288	365			
200					240	240	240	288	365	365	450		
250					288	288	288	365	450	450	560	560	
325					365	365	365	450	450	560	560	700	700
400							450	560	560	700	700		
500							560	700	700				
600							700	700					

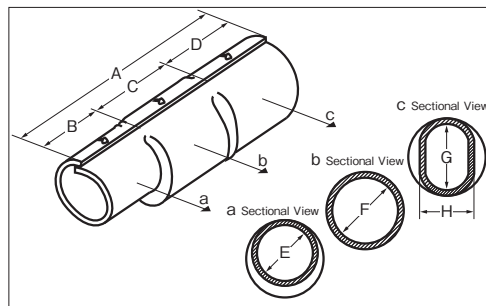
NOTE

- Figure in chart shows our P/N except prefix 'T'.
- ※ combination, requires support wire (5.5mm²/6mm²/AWG12) due to big difference
- △ combination, fold branch wire as a support wire.
- Applicable tool,
 - NOP-120
 - NOH-360
 - NP-520
- Above table is made according to JIS wire range. IEC wire is also applicable within a combined wire range. Contact us for further information.





CLAMP CONNECTOR COVERS



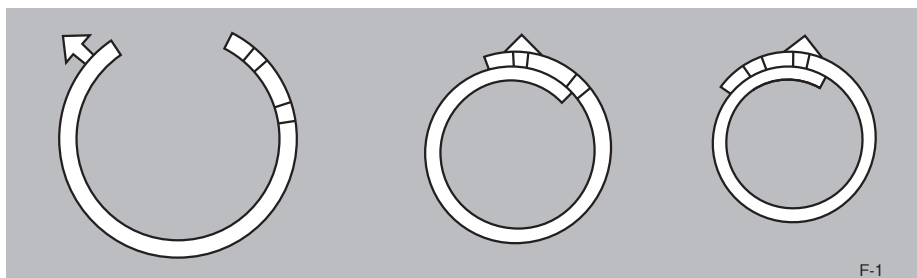
RoHS 10
See page 2

Unit mm

PART NUMBER	A	B	C	D	E	F	G	H	t	STD QTY/BAG	
T 20C *	83	29	19	35	14	16.5	16.5	14	1.5~2.0	100	
T 26C	85		21		40	16	18	18			16
T 44C	89		25			20	22	22			20
T 60C	93		29			21	25	25			21
T 76C						23	27	27			23
T 98C	100		31	50	24	29	29	24			
T 122C	103		34		31	31	31	24			
T 154C	106		37		24.8	33	33	24.5			
T 190C	127		31		45	28.5	35	35			28.5
T 240C	144		44	50	50	32	38	38			32
T 288C	148	43	55	40			40	32			
T 365C	151	44	57	35.5			44	44	35.5		
T 450C	175	50	65	60	39	52	59	39	2~2.5	20	
T 560C	190	55	70	65	42	56	67	42			
T 700C	205	60	75	70	45	62	72	45			10

* T20C is a cover for P/N T11, T16 and T20

- **FEATURES :**
1. Quickly snaps on and off.
 2. For better fitting the O.D., use appropriate snap hole. (F- 1)



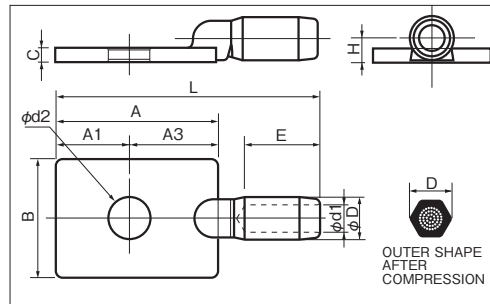
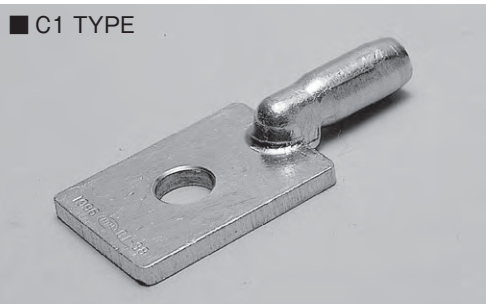
- **RATED VOLTAGE** : 600V
- **MATERIAL** : P.V.C.
- **RATED TEMPERATURE** : 60°C
- **COLOR** : Black

NOTE

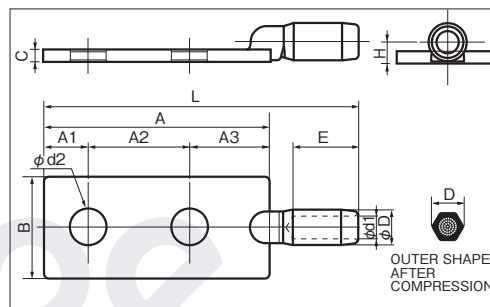
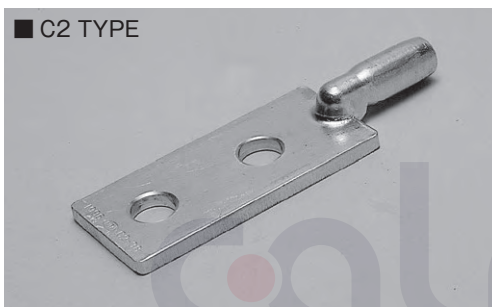
- 1) Use in a box.
- 2) Not water tight.
- 3) For further fixation, wrap vinyl tape around the cable and cover.
- 4) NICHIFU designed covers.



COMPRESSION TERMINALS (For Hard-drawn copper stranded wire)



PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX	
	φD	φd1	E	A	A1	A3	B	C	φd2	L	H		STRAND COMPOSITION Number of wires/mm	STRAND OUTER DIAMETER mm		PUMP	HEAD		
C1-14		5.2												7/1.6	4.8	14	NOM 2500A NOM 3000	NP 520 NP 1000	3
C1-22 ◆	14	6.4	26	55	25	30	40	5	14	90	8	M12×1	7/2.0	6.0					
C1-38 ◆		8.3											7/2.6	7.8					
C1-60 ◆	19	10.6	30							94	10.5		19/2.0	10.0					



PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX	
	φD	φd1	E	A	A1	A2	A3	B	C	φd2	L		H	STRAND COMPOSITION Number of wires/mm		STRAND OUTER DIAMETER mm	PUMP		HEAD
C2-14		5.2												7/1.6	4.8	14	NOM 2500A NOM 3000	NP 520 NP 1000	3
C2-22	14	6.4	26					5		125	8	M12×2	7/2.0	6.0					
C2-38		8.3		90	18		32	40					7/2.6	7.8					
C2-55 ◆	19	10.2	30						6	135	11.0		7/3.2	9.6	19				
C2-60 ◆		10.6												19/2.0					10.0
C2-75 ◆	23	11.7	39	95	20		35	8		150	13.0		7/3.7	11.1	23				
C2-100 ◆		13.6																	
C2-125 ◆	26	15.2				40				14	14.5		19/2.9	14.5	26				
C2-150 ◆	29	16.9	44								170	16.0	37/2.3	16.1	29				
C2-180 ◆	32	18.5	53	110			45	50	10		180	17.5	19/3.5	17.5	32				
C2-200 ◆		19.5																	
C2-240 ◆	36	21.0			25						207	20.5	19/4.0	20.0	36				
C2-250 ◆	38	21.9	62										61/2.3	20.7	38				
C2-325	42	24.7											61/2.6	23.4	42				
C2-400	47	27.4	70	115			50				222	25.5	61/2.9	26.1	47				
C2-500		30.2																	

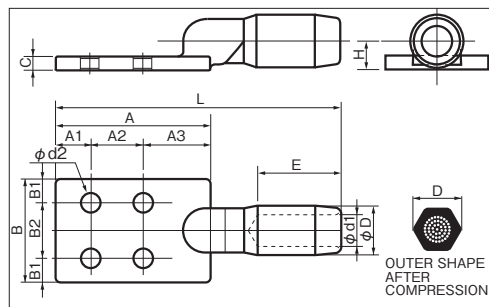
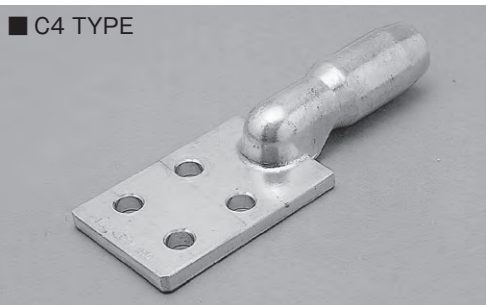
NOTE

- 1) Conductive face is tin lead plated.
- 2) ◆ : JIS
- 3) Special request can be made such as; without stud holes, all tin plated surface.
- 4) Special sizes are also available such as, for IEC wires.
- 5) Use strand with diameter of or over 1mm.
- 6) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.

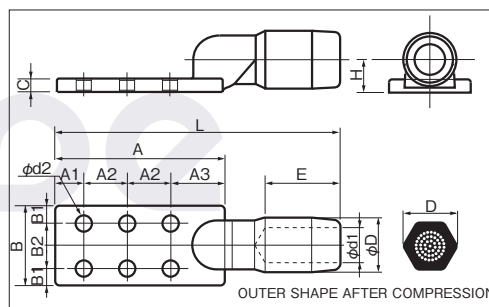




COMPRESSION TERMINALS (For Hard-drawn copper stranded wire)



PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX	
	phi D	phi d1	E	A	A1	A2	A3	B	B1	B2	C	phi d2	L		H	STRAND COMPOSITION Number of wires/mm		STRAND OUTER DIAMETER mm	PUMP		HEAD
C4-100	23	13.6	39										180	13	M12x4	19/2.6	13.0	23	NOM 2500A NOM 3000	NP 520 NP 1000	3
C4-150	29	16.9	44													37/2.3	16.1	29			
C4-200	32	19.5	53											10		185	17.5	32			
C4-250	38	21.9	62	115	25	40	50	75	17.5	40		14	20.5			61/2.3	20.7	38			
C4-325 ◆	42	24.7												212			61/2.6	23.4			
C4-400 ◆	47	27.4	70										23.0			61/2.9	26.1	47			
C4-500 ◆		30.2										12	222	25.5			61/3.2	28.8			



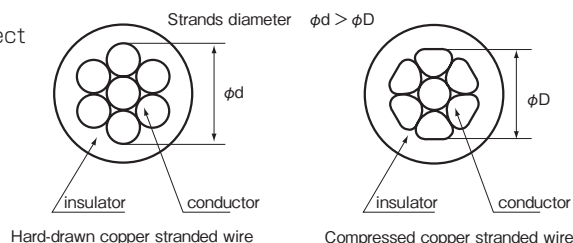
PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX	
	phi D	phi d1	E	A	A1	A2	A3	B	B1	B2	C	phi d2	L		H	STRAND COMPOSITION Number of wires/mm		STRAND OUTER DIAMETER mm	PUMP		HEAD
C6-600 ◆	51	33.3	70	155	25	40	50	75	17.5	40		14	262	28.0	M12x6	91/2.9	31.9	51	NOM 2500A NOM 3000	NP 1000	1
C6-725 ◆		36.7															91/3.2	35.2			
C6-800	56	38.0	90	190	30	50	60	100	25.0	50		18	325	30.5	M16x6	127/2.8	36.4	56			
C6-850 ◆		39.3																			
C6-1000 ◆	64	43.2	100									14	335	34.5		127/3.2	41.6	64			

NOTE

- 1) Conductive face is tin lead plated.
- 2) ◆ : JIS
- 3) Special requests can be made such as; without stud holes, all tin plated surface.
- 4) Special sizes are also available such as, for IEC wires.
- 5) Use strand with diameter of or over 1 mm.
- 6) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.

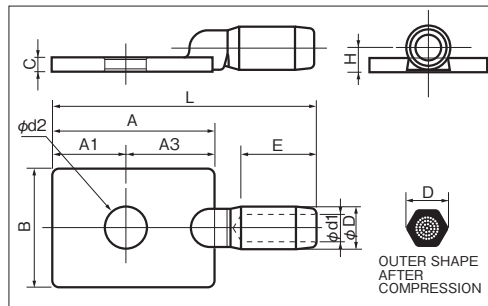
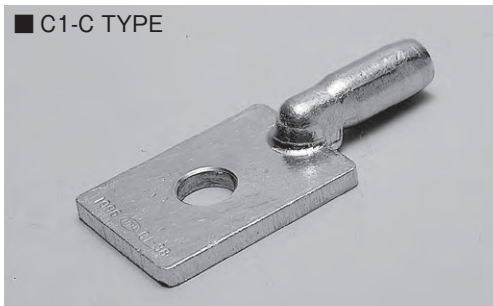
Remarks

Two standardized wire acceptance diameter phi d1 allows to select compression terminal easily.
Some diameters have same square mm.



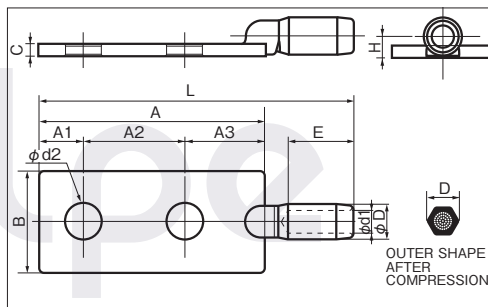
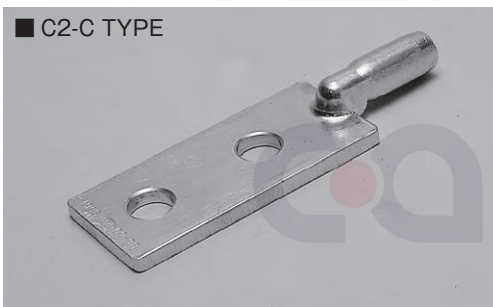
COMPRESSION TERMINALS (For Compressed copper stranded wire)

■ C1-C TYPE



PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	phi D	phi d1	E	A	A1	A3	B	C	phi d2	L	H		STRAND OUTER DIAMETER mm		PUMP	HEAD	
C1-14C	14	4.8	26	55	25	30	40	5	14	90	8	M12x1	4.4	14	NOM 2500A NOM 3000	NP 520 NP 1000	5
C1-22C		5.9											5.5				
C1-38C		7.8											7.3				
C1-60C	19	9.8	30	94	10.5	9.3	19										

■ C2-C TYPE

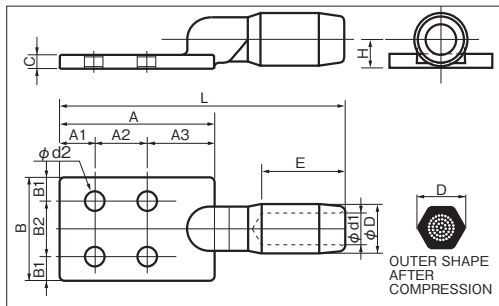
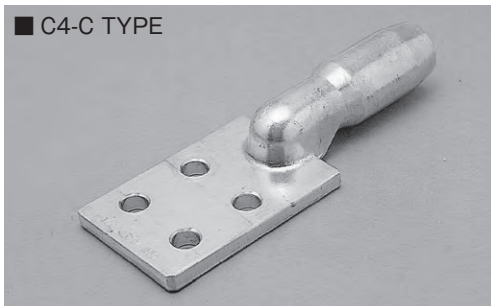


PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX	
	phi D	phi d1	E	A	A1	A2	A3	B	C	phi d2	L		H		STRAND OUTER DIAMETER mm	PUMP		HEAD
C2-14C	14	4.8	26	90	18	40	32	40	5	125	8	M12x2	4.4	14	NOM 2500A NOM 3000	NP 520 NP 1000	3	
C2-22C		5.9											5.5					
C2-38C		7.8											7.3					
C2-60C	19	9.8	30	6	135	11.0	9.3	19										
C2-100C	23	12.6	39	95	20	40	35	8	14	150	13.0	12.0	23	NOM 2500A NOM 3000	NP 520 NP 1000	3		
C2-125C	26	14.1															14.5	
C2-150C	29	15.4	44	110	25	45	50	10	14	170	16.0	14.7	29	NOM 2500A NOM 3000	NP 520 NP 1000	3		
C2-200C	32	17.9	53														18.5	36
C2-240C	36	19.4	62														19.0	38
C2-250C	38	19.9		20.5	38													
C2-325C	42	22.7	70	115	50	12	212	23.0	14	212	23.0	21.7	42	NOM 2500A NOM 3000	NP 520 NP 1000	3		
C2-400C	47	25.2															24.1	47
C2-500C	47	28.0	70	115	50	12	222	25.5	14	222	25.5	26.9	47	NOM 2500A NOM 3000	NP 520 NP 1000	3		

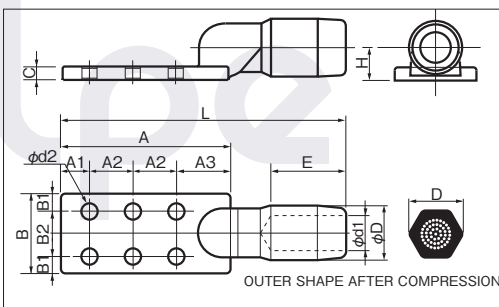
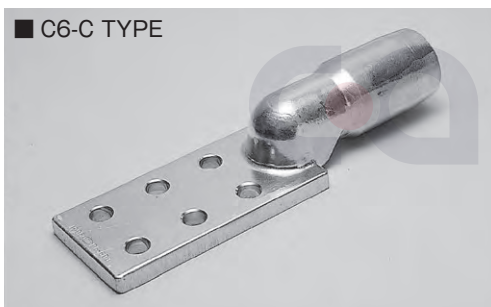
- NOTE
- 1) Conductive face is tin lead plated.
 - 2) Special requests can be made such as; without stud holes, all tin plated surface.
 - 3) Special sizes are also available such as , IEC wires.
 - 4) Use strand with diameter of or over 1mm.
 - 5) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.



COMPRESSION TERMINALS (For Compressed copper stranded wire)



PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX			
	phi D	phi d1	E	A	A1	A2	A3	B	B1	B2	C	phi d2	L		H		STRAND OUTER DIAMETER mm	PUMP		HEAD		
C4-100C	23	12.6	39												180	13.0	M12 x 4	12.0	23	NOM 2500A NOM 3000	NP 520 NP 1000	3
C4-150C	29	15.4	44												16.0	16.0		14.7	29			
C4-200C	32	17.9	53												185	17.5		17.0	32			
C4-250C	38	19.9	62	115	25	40	50	75	17.5	40								19.0	38			
C4-325C	42	22.7																20.5	42			
C4-400C	47	25.2	70															21.7	42			
C4-500C		28.0																23.0	24.1			
																	26.9					



PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX			
	phi D	phi d1	E	A	A1	A2	A3	B	B1	B2	C	phi d2	L		H		STRAND OUTER DIAMETER mm	PUMP		HEAD		
C6-600C	51	30.7	70	155	25	40	50	75	17.5	40		14	262	28.0	M12 x 6	29.5	51	NOM 2500A NOM 3000	NP 1000	1		
C6-800C	56	35.3	90	190	30	50	60	100	25.0	50												
C6-850C		35.6																				
C6-1000C	64	39.4	100									14	335	34.5		38.0	64					

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■ SPECIAL LARGER SIZE [See page 2](#)

PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX			
	phi D	phi d1	E	A	A1	A2	A3	B	B1	B2	C	phi d2	L		H		STRAND OUTER DIAMETER mm	PUMP		HEAD		
C6-1200A-SN	69	43.3	90												350	37.0	M16 x 6	41.7	69	SMP3 SR-200M	1	
C6-1400A-SN	76	46.7	95	200	30	50	70	100	25	50	20	18										
C6-1600A-SN		50.0	100																			

NOTE

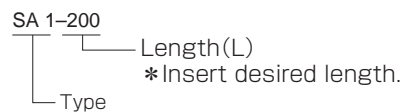
1) Above 3 part numbers are tin plated on entire surface.



SHUNT WIRES

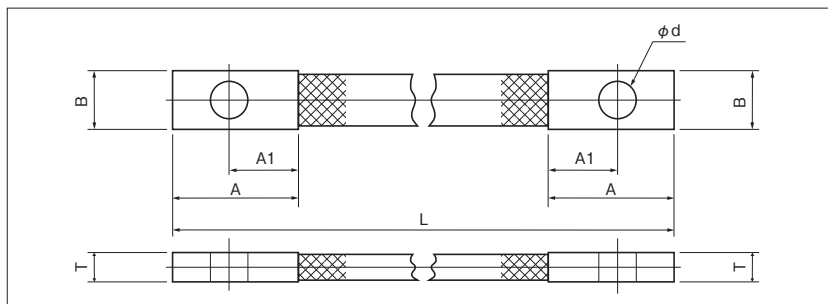
Shunt wires are applied to connections between electrical machines with vibration, stretch and bending. Shunt wire is manufactured by putting the end of a flat braided wire with a seamed high quality copper tube. They are then compressed and molded.

Ordering example



Manufacture upon request

SA TYPE



Standard

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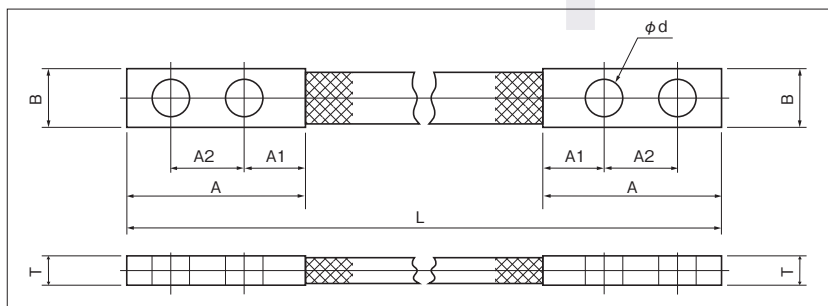
See page 2

PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm					
			T	φd	STANDARD LENGTH L	B	A	A1
SA 1-L	67	8	2.9	10	200	16	18	10
SA 2-L	100	14						
SA 3-L	150	28						
SA 4-L	200	38						
SA 5-L	300	76						
SA 6-L	380	114	11.5	12	25	45	25	
SA 7-L	450	152						

NOTE

1) Thickness (T) is for reference.

SB TYPE



Standard

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See page 2

PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm											
			T	φd	STANDARD LENGTH L	B	A	A1	A2					
SB 1-L	290	50	5.5	12	300	40	85	25	40					
SB 2-L	410	100	7.2											
SB 3-L	520	150	8.9											
SB 4-L	580	200	10.5											
SB 5-L	690	250	12.8											
SB 6-L	770	300	13.8											
SB 7-L	450	100	6.5							14	330	50	95	30
SB 8-L	650	200	9.1											
SB 9-L	820	300	11.7											
SB 10-L	970	400	13.8											
SB 11-L	1100	500	16.5											
SB 12-L	1220	600	19.3											

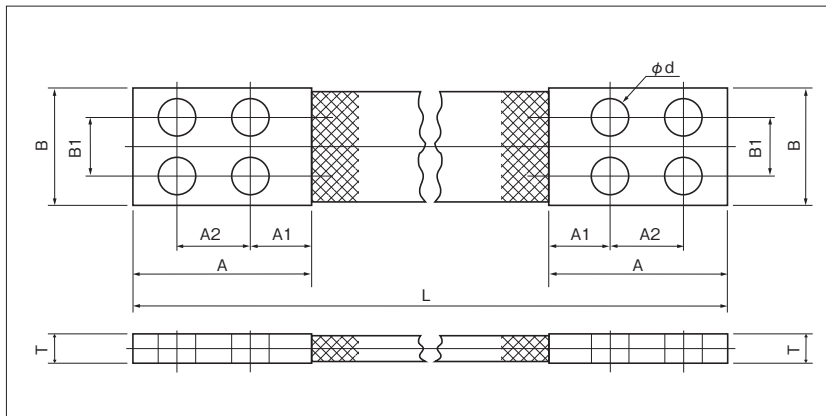
NOTE

1) Thickness (T) is for reference.



SHUNT WIRES

SC TYPE



Standard
RoHS10
See page 2

PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	T	φ d	DIMENSIONS mm					
					STANDARD LENGTH L	B	B1	A	A1	A2
SC 1-L	680	160	7.5	14	350	75	40	95	30	40
SC 2-L	760	200	8.5							
SC 3-L	860	250	9.3							
SC 4-L	940	300	10.5							
SC 5-L	1100	400	11.8							
SC 6-L	1240	500	13.1							
SC 7-L	1380	600	15.0							
SC 8-L	1630	800	18.5							
SC 9-L	1860	1000	20.7							
SC 10-L	2070	1200	25.3							
SC 11-L	860	200	8.0		400	100	50	105	30	50
SC 12-L	970	250	9.2							
SC 13-L	1060	300	9.5							
SC 14-L	1240	400	10.5							
SC 15-L	1380	500	12.0							
SC 16-L	1530	600	13.2							
SC 17-L	1800	800	15.5							
SC 18-L	2000	1000	18.0							
SC 19-L	2200	1250	21.0							
SC 20-L	2500	1500	24.3							
SC 21-L	2700	1600	25.5							
SC 22-L	2900	1800	28.5							

NOTE

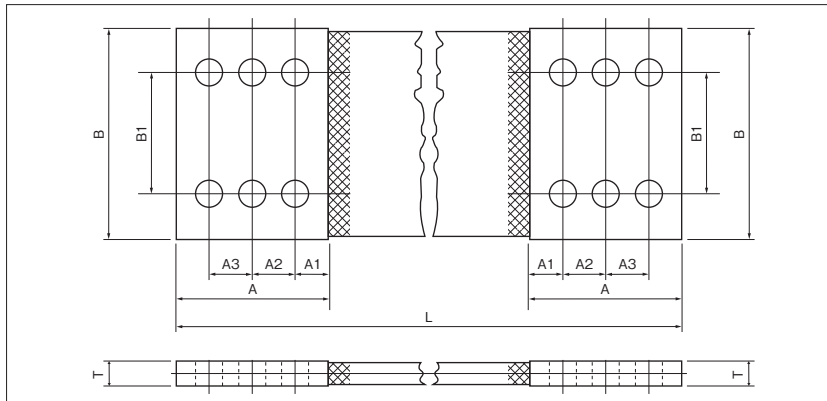
1) Thickness (T) is for reference.

Special ordered shunt wires are available upon request.



SHUNT WIRES

SD TYPE



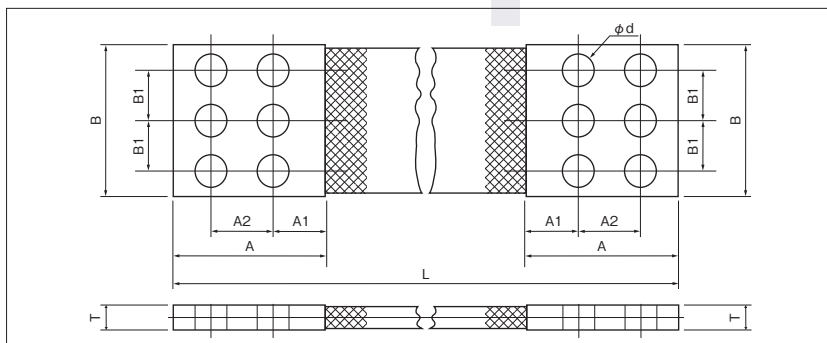
Standard

RoHS10

See page 2

PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm								
			T	φ d	STANDARD LENGTH L	B	B1	A	A1	A2	A3
SD 1-L	3200	1800	25.2	14	400	120	60	125	20	40	40
SD 2-L	3450	2160	30.2								
SD 3-L	1460	400	10.0								
SD 4-L	1640	500	11.2								
SD 5-L	1800	600	12.0								
SD 6-L	2100	800	13.8								
SD 7-L	2350	1000	15.8								
SD 8-L	2600	1200	17.5								
SD 9-L	3000	1600	21.0								
SD 10-L	3400	2000	24.5								
SD 11-L	3600	2100	26.0								
SD 12-L	3800	2400	28.0								
SD 13-L	4000	2700	32.5								
SD 14-L	4100	2800	33.5								

SE TYPE



Standard

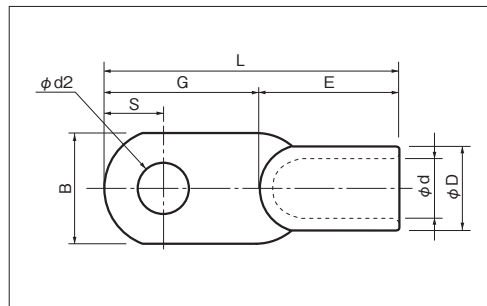
RoHS10

See page 2

PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm							
			T	φ d	STANDARD LENGTH L	B	B1	A	A1	A2
SE 1-L	3200	1800	25.2	14	400	120	30	125	20	80
SE 2-L	3450	2160	30.2							
SE 3-L	1460	400	10.0							
SE 4-L	1640	500	11.2							
SE 5-L	1800	600	12.0							
SE 6-L	2100	800	13.8							
SE 7-L	2350	1000	15.8							
SE 8-L	2600	1200	17.5							
SE 9-L	3000	1600	21.0							
SE 10-L	3400	2000	24.5							
SE 11-L	3600	2100	26.0							
SE 12-L	3800	2400	28.0							
SE 13-L	4000	2700	32.5							
SE 14-L	4100	2800	33.5							

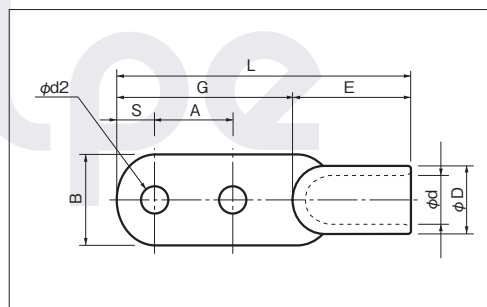
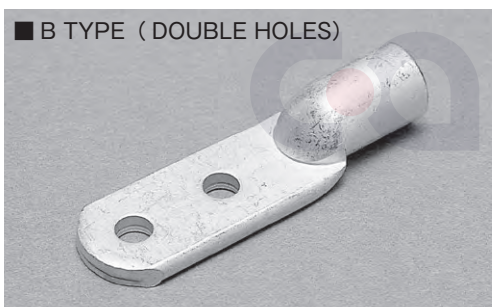


COPPER TUBE TERMINALS (D TYPE)



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See page 2

PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
	$\phi d2$	B	L	S	G	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG MCM	HAND	HYDRAULIC TOOL/HEAD No.	
D 8A	5.3	9.5	26.0	7.0	14.0	12.0	7.0	4.5	2.89~3.65	6.64~10.52	8	NH 1 NH 9 NA 20 NOM 60	NOM 150, NOP 150HA NOH 300K	200
D 14A	6.4	12.0	34.0	8.0	18.0	16.0	8.9	5.8		10.52~16.78	6			100
D 22A	8.4	15.5	39.0	9.0	20.0	19.0	11.1	7.7		16.78~26.66	4			50
D 38A		18.5	49.0	10.0	25.0	24.0	13.2	9.4		26.66~42.42	2			
D 60A	11.0	21.5	59.0	13.0	30.0	29.0	15.3	11.4		42.42~60.57	1/0			25
D 70A		25.0	65.0		33.0	32.0	17.5	13.3		60.57~76.28	2/0			
D 80A	13.0	27.5	80.0	14.0	43.0	37.0	19.5	14.5		76.28~96.3	3/0			10
D 100A		31.0	95.0	17.0	50.0	45.0	22.1	16.4		96.3~117.2	4/0			
D 150A		37.0	113.0	21.0	60.0	53.0	26.4	19.5		117.2~152.05	250~300MCM			
D 180A	40.0	124.0	64.0		60.0	28.5	21.0		152.05~192.6	300~350MCM				
D 200A	15.0	45.5	130.0	21.0	67.0	63.0	32.4	24.0		192.6~242.27	400MCM	5		
D 325A		53.0	143.0		70.0	73.0	37.0	28.0		242.27~325	500~600MCM			



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See page 2

PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX					
	$\phi d2$	B	L	S	A	G	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG MCM	HAND		HYDRAULIC TOOL/HEAD No.				
D 8B	4.5	9.5	36.0	5.0	12.0	24.0	12.0	7.0	4.5	2.89~3.65	6.64~10.52	8	NH 1 NH 9 NA 20 NOM 60	NOM 150, NOP 150HA NOH 300K	100				
D 14B		12.0	43.0	6.0		27.0	16.0	8.9	5.8								10.52~16.78	6	
D 22B	5.5	15.5	51.0	8.0	16.0	32.0	19.0	11.1	7.7								16.78~26.66	4	50
D 38B		18.5	60.0	36.0		24.0	13.2	9.4								26.66~42.42	2		
D 60B	11.0	21.5	88.0	11.0	32.0	59.0	29.0	15.3	11.4								42.42~60.57	1/0	30
D 70B		25.0	92.0	12.0		60.0	32.0	17.5	13.3								60.57~76.28	2/0	
D 80B	13.0	27.5	99.0	14.0	40.0	62.0	37.0	19.5	14.5								76.28~96.3	3/0	25
D 100B		31.0	108.0	14.5		63.0	45.0	22.1	16.4								96.3~117.2	4/0	
D 150B		37.0	130.0	18.0		77.0	53.0	26.4	19.5								117.2~152.05	250~300MCM	
D 180B	40.0	138.0	78.0		60.0	28.5	21.0		152.05~192.6							300~350MCM			
D 200B	14.0	45.5	145.0	22.0	40.0	82.0	63.0	32.4	24.0		192.6~242.27	400MCM	5						
D 325B		53.0	158.0	25.0		85.0	73.0	37.0	28.4		242.27~325	500~600MCM							

- Anti-vibration and anti-dust design.
- Crimp type
- Available without stud hole upon your request.
- To crimp D 8-A & D 8-B requires optional dies for pneumatic crimping tool, NA 20.



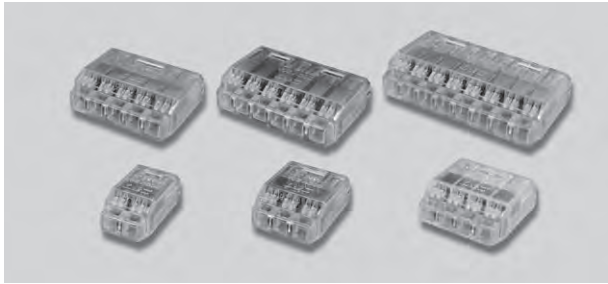
INSPECTION HOLE (WINDOW) ON THE BARREL

Contact us for production lot quantity, lead time, price or any other information.



QUICK LOCKS

■ QLX



RoHS10

See page 2

Quick Locks for solid copper wires. Make indoor wiring by inserting stripped solid copper wires.

FEATURES

- Reliable, double contacts for higher reliability.
- Simply strip and insert for instant connection.
- Clear translucent housing enables visual inspection of correct wire installation.
- Waved copper contact for easier insertion of wire.

SPECIFICATION

- Material Spring : Stainless Steel
Connector contact : Oxygen free copper (Tin plated)
Housing : Polycarbonate (UL94V2)

STANDARDS

- JIS C 2813
- UL
- VDE

PART NUMBER	POLE	DIMENSIONS (mm)			RATINGS	STD QTY/BOX	APPLIED WIRE	COLOR
		LENGTH	WIDTH	HEIGHT				
QLX 2	2	20.5	11.6	9.1	20A 300V	50	COPPER/ SOLID WIRE φ 1.6mm ∩ φ 2.0mm	RED
QLX 3	3		16.2					BLUE
QLX 4	4		20.8					YELLOW
QLX 5	5		25.4					ORANGE
QLX 6	6		30.0					PURPLE
QLX 8	8		39.2					GREEN

- Use Pin terminal to connect with stranded wire.
See page 28 & 34 for TC1.25-18S-ST(CAP VC1.25) TC2-18-ST(CAP VC2).
- 1.5mm² and 2.5mm² are available for VDE standard.

■ QLXL



RoHS10

See page 2

SPECIFICATION

- Material Spring : Stainless Steel
Connector contact : Oxygen free copper (Tin plated)
Housing : Polycarbonate (UL94V2)

STANDARDS

- <PS>E

PART NUMBER	POLE	DIMENSIONS (mm)		RATINGS	STD QTY/BOX	APPLIED WIRE	COLOR
		DIAMETER	LENGTH				
QLXL 3	3	22.0	23.0	40A (MAX) 300V	20	COPPER/SOLID WIRE φ 2.0 • φ 2.6mm	BLUE

FOR SAFETY USE

Please observe instructions to prevent over heat and possible fire.

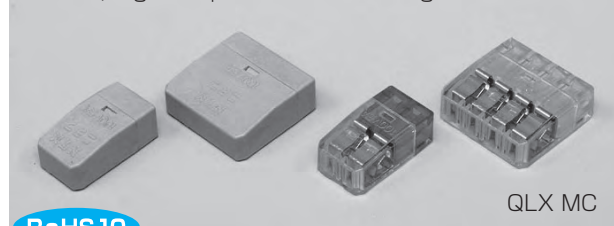
- For use within an indoor wiring box.
- Do not use below area.
- * High temperature, High humidity, water splash area.
- * Strong alkali like under ammonia, organic solvent atmosphere.



QUICK LOCKS

■ QLX SQ · QLX MC

QLX SQ, High-Temp connector for wiring on fire detector.



RoHS10

See page 2

FEATURES

- QLX SQ surpass the temperature rise test to 380°C in 15 minutes. (Japan Fire Department requirement)
- Reliable, double contacts.

SPECIFICATION

- Material
Contact: Copper alloy
Housing: QLX MC Polycarbonate, QLX SQ Liquid-crystal polymer

Instructions

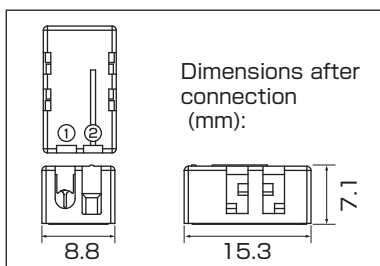
<p>● Strip the wire to the proper length using the gauge on QLX SQ-QLX MC connector.</p>	<p>● Straighten wire.</p>	<p>● Insert wire straight to the end.</p>	<p>⚠ CAUTION Do not reuse QLX SQ&QLX MC</p>
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PART NUMBER	POLE	DIMENSIONS (mm)			RATINGS	STD QTY/BOX	APPLIED WIRE φ 0.9~1.2mm	COLOR
		LENGTH	WIDTH	HEIGHT				
QLX SQ-2	2	15.0	8.2	5.8	5A(MAX) 100V	COPPER/ SOLID WIRE	Beige	
QLX SQ-4	4		15.4				RED CLEAR	
QLX MC-2	2		8.2				YELLOW CLEAR	
QLX MC-4	4		15.4					

DISPLACEMENT CONNECTORS (CLOSED END TYPE)

RoHS10

See page 2



Part number NDE 0512

Features

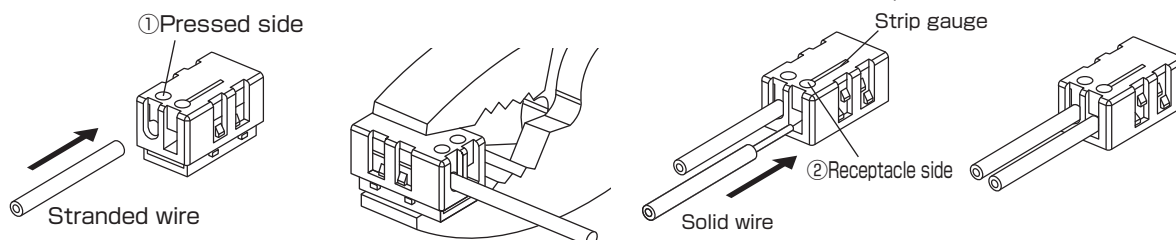
- Connection between stranded wire (①) and solid wire (②)
- Stranded wires can be easily connected by pliers.

Specifications

- Applicable wires (Annealed copper wire / Flexible PVC wire)
Stranded wires: 0.2~0.5mm² (AWG24-20) / Insulation (Max outer dia. 1.9mm) Solid wires: φ0.9mm·φ1.2mm / Insulation (Max outer dia.1.8mm)
- Rated value
Rated voltage (AC/DC): 100V
Rated current: 5A(MAX)
Highest applicable temperature: 120°C
Operation temperature range: 0°C~40°C
- Material
Contact : Tin plated copper alloy
Housing / Cover : Polycarbonate
Color : Housing (translucent) Cover (yellow translucent)
- Package : 300pcs (30pcs×10)

How to Connect

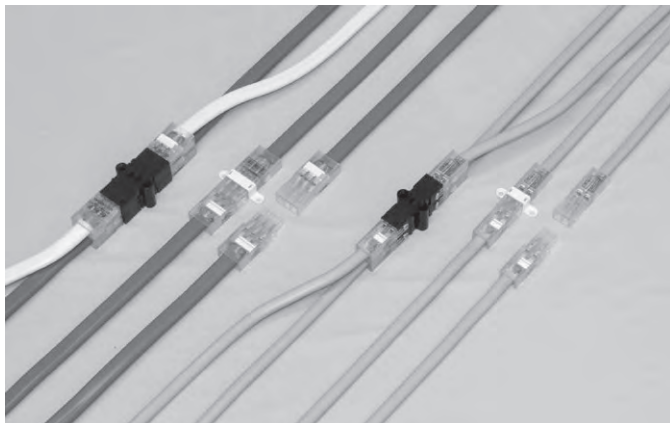
1. Fully insert stranded wire into the connector without stripping the insulation.
2. Press by using pliers. Confirm the cover is completely locked.
3. Strip the insulation of solid wire to the length referring to the strip gauge. Afterwards, fully insert into the hole on the receptacle side.
4. Connection completed



⚠ Note: Reconnection is not possible.

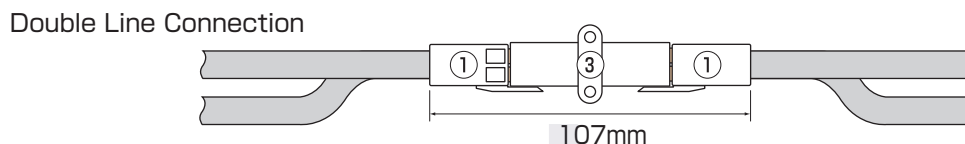
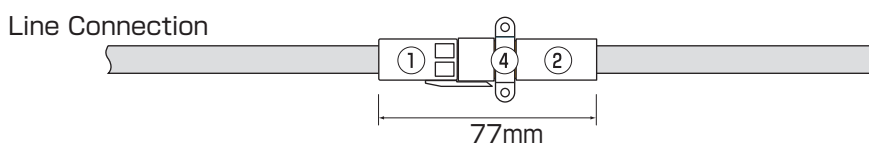


MINI PLUG JOINT CONNECTORS



- Applicable wire size :
Copper/Solid wire $\phi 1.6\text{mm} \cdot \phi 2.0\text{mm}$
- Insulation maximum operating temperature: 120°C
- <PSE>
- Rated: 20A/300V
- Material
Plug Connector·Terminal Block·Quick Lever·Connector Hold:
Polycarbonate (Flame retardance UL94V-0)
CONTACT: Tin plated copper alloy

☉☉ For VVF twin core cable



PLUG CONNECTOR M2

①



(NPJM P01-2P)

RECEPTACLE CONNECTOR M2

②



(NPJM R01-2P)

TERMINAL BLOCK M2

③



(NPJM B02-2P)

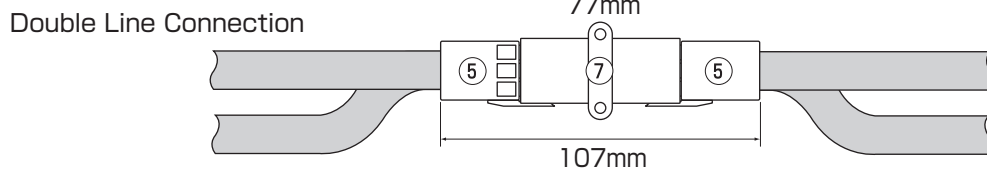
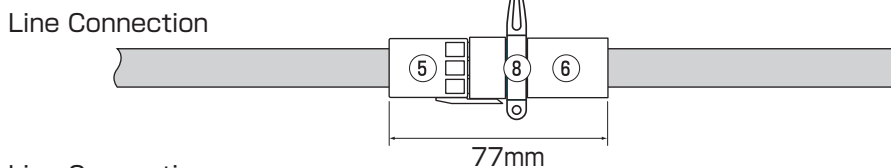
CONNECTOR HOLD M2

④



(NPJM R-2CH)

☉☉☉ For VVF 3 core cable



PLUG CONNECTOR M

⑤



(NPJM P01-3P)

RECEPTACLE CONNECTOR M

⑥



(NPJM R01-3P)

TERMINAL BLOCK M

⑦



(NPJM B02-3P-H)

CONNECTOR HOLD M

⑧



(NPJM R-CH)



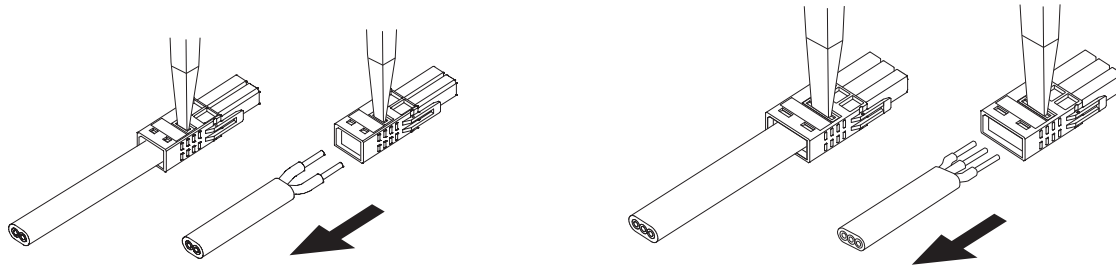


MINI PLUG JOINT CONNECTORS

REUSABLE

The plug and terminal block are reusable.

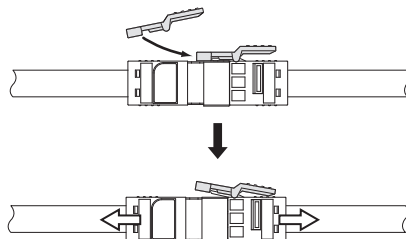
To take off wire, press release lever by flathead screw driver on the plug.



QUICK LEVER M
(double use for twin core and 3 core cable)



(NPJM P-QL)



① Set a quick lever.

② Push and hold the quick lever to un-connect the plug and the receptacle. Pull out straightly.

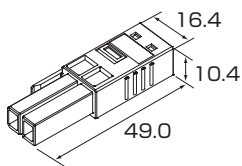
For twin core cable

Part Name	Part Number	Package Quantity
PLUG CONNECTOR M2	NPJM P01-2P	20pcs
RECEPTACLE CONNECTOR M2	NPJM R01-2P	20pcs
TERMNAL BLOCK M2	NPJM B02-2P	10pcs
CONNECTOR HOLD M2	NPJM R-2CH	20pcs

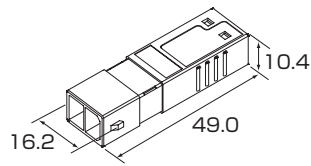
For 3 core cable

Part Name	Part Number	Package Quantity
PLUG CONNECTOR M	NPJM P01-3P	20pcs
RECEPTACLE CONNECTOR M	NPJM R01-3P	20pcs
TERMNAL BLOCK M	NPJM B02-3P-H	10pcs
CONNECTOR HOLD M	NPJM R-CH	20pcs

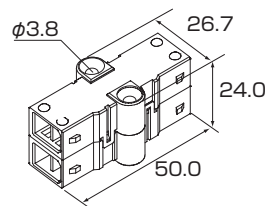
■ DIMENSIONS



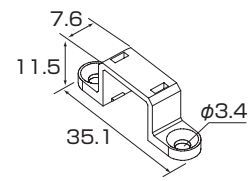
① NPJM P01-2P



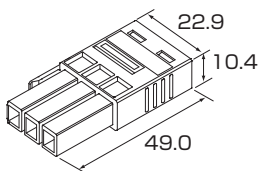
② NPJM R01-2P



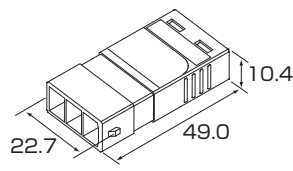
③ NPJM B02-2P



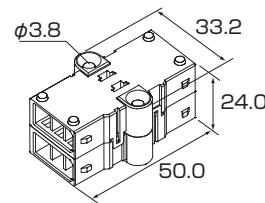
④ NPJM R-2CH



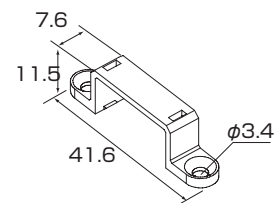
⑤ NPJM P01-3P



⑥ NPJM R01-3P

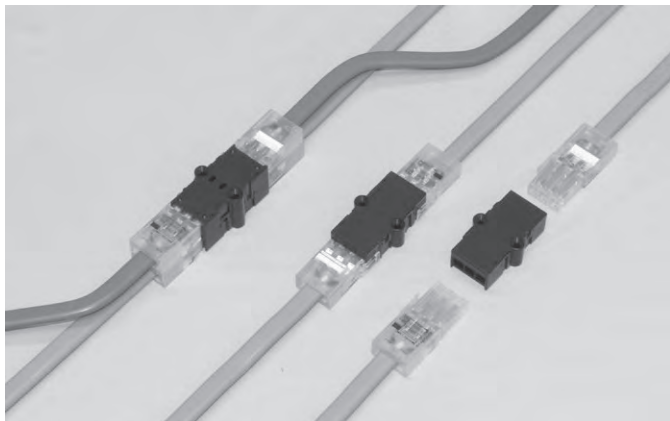


⑦ NPJM B02-3P-H



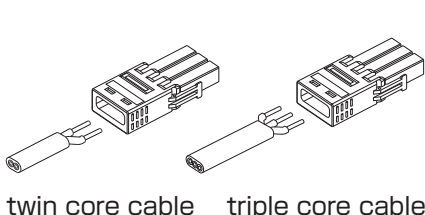
⑧ NPJM R-CH

PLUG JOINT CONNECTORS



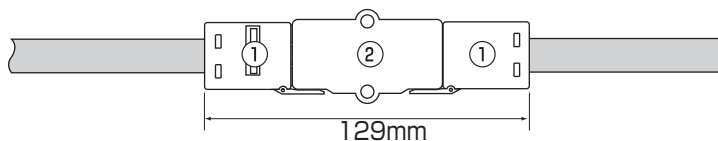
- Applicable wire size :
Copper/Solid wire $\phi 1.6\text{mm} \cdot \phi 2.0\text{mm}$
- Insulation maximum operating temperature: 120°C
- <PSE>
- Rated: 20A/300V
- Material
Plug Connector-Terminal Block:
Polycarbonate (Flame retardance UL94V-0)
VCTF-COVER: Polypropylene (transparent)
UNTI-DUST COVER: Silicon
CONTACT: Tin plated copper alloy

⊙⊙ ⊙⊙⊙ For VVF twin / triple core cable

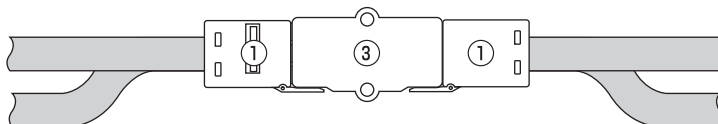


twin core cable triple core cable

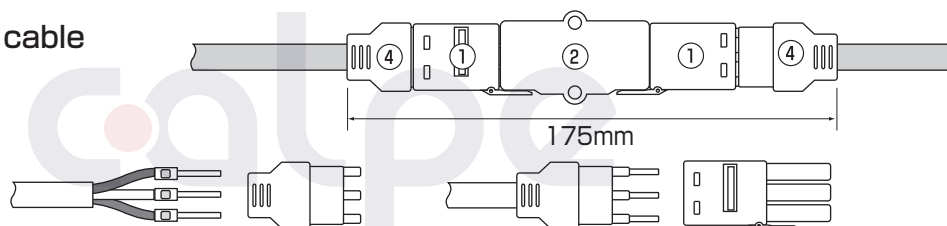
Line Connection



Double Line Connection



⊙⊙⊙ For VCTF triple core cable



Using the VCTF-Cover and the Pin-Terminals, the Plug Connector accepts stranded wire.

PLUG CONNECTOR

①



(NPJ P01-3P)

TERMNAL BLOCK

②



for LINE (NPJ B01-3P)

TERMNAL BLOCK

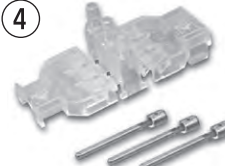
③



for DOUBLE LINE (NPJ B02-3P)

Kit of VCTF cover & Pin terminal

④



(NPJ 3PV-S)

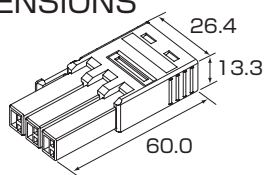
Part Name	Part Number	Package Quantity
PLUG CONNECTOR	NPJ P01-3P	20pcs
TERMNAL BLOCK (LINE)	NPJ B01-3P	20pcs
TERMNAL BLOCK (DOUBLE LINE)	NPJ B02-3P	10pcs
Kit of VCTF cover & Pin terminal	NPJ 3PV-S	20pcs
UNTI-DUST COVER	NPJ B-3PD	5pcs



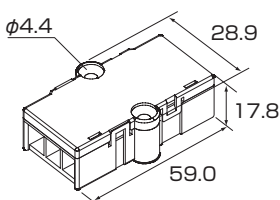
UNTI-DUST COVER

for Electrode Protection

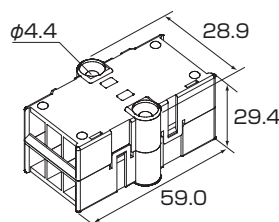
■ DIMENSIONS



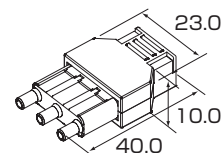
① NPJ P01-3P



② NPJ B01-3P



③ NPJ B02-3P



④ NPJ 3PV-S



WIRE TO WIRE IDC NDC SERIES

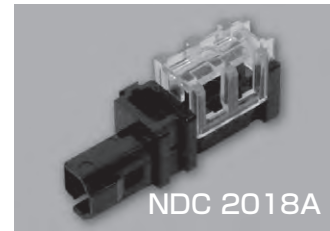
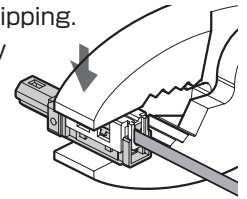


RoHS 10
See page 2



FEATURES

- Simple structure for single connection.
- No need of wire stripping.
- Easy connection by using pliers.

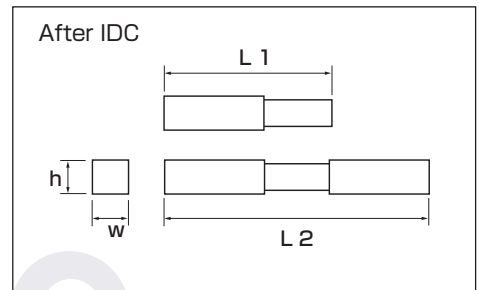


●Applicable wire size(Annealed copper wire plasticized)

		NDC 3026	NDC 2824	NDC 2420	NDC 2018A
Wire size	Stranded	0.05~0.13mm ² AWG30-26	0.08~0.2mm ² AWG28-24	0.2~0.5mm ² AWG24-20	0.5~0.75mm ² AWG20-18
	Solid	φ 0.25~0.4mm	φ 0.4~0.5mm	φ 0.65mm	—
Max. wire outside diameter		φ 1.3mm	φ 1.6mm	φ 2.1mm	φ 2.8mm

●Rating/Material

	NDC 3026	NDC 2824	NDC 2420	NDC 2018A
Current	AWG30-28(2A)	AWG 28-26(1A)	AWG24-22 (2A)	AWG20(6A)
	AWG26 (3A)	AWG24 (2A)	AWG20 (3A)	AWG18(8A)
Voltage	100V			300V
Insulation Maximum Operating Temperature	105°C	120°C		
Working Temperature Range	0°C~40°C			
Housing	Nylon (Milky White)	Polycarbonate (White)	Polycarbonate (Black)	Polycarbonate (Black)
Cover	—	Polycarbonate (Blue translucent)	Polycarbonate (Yellow translucent)	Polycarbonate (Green translucent)
Contact	Pre-tin plated phosphor bronze			Tin plated copper alloy
Connecting plate	—	Polycarbonate(White)		—
Standard	—	UL / VDE		VDE



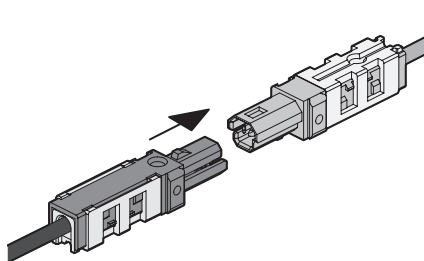
	DIMENSION(mm)			
	L1	L2	w	h
NDC 3026	16.5	27.7	3.2	3.0
NDC 2824	25.9	44.0	5.8	6.4
NDC 2420	25.9	44.0	5.8	6.4
NDC 2018A	26.0	43.2	7.8	8.5

●Package quantity

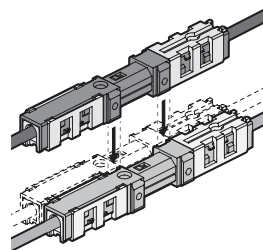
Connector	200pcs.(20pcs.×10)
Connecting plate (NDC 2420-J)	100pcs.(10pcs.×10)

●Recommended pliers (JIS B 4614 150)

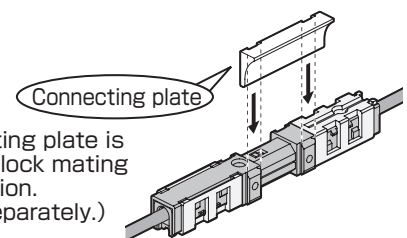
Multiple connection is possible. (The following illustration is NDC 2824/2420.)



Rotate connector at 180° to make connection (NDC3026/2824/2420)



After the Insulation displacement connection, connectors can be attached by sliding them along each guide rail.



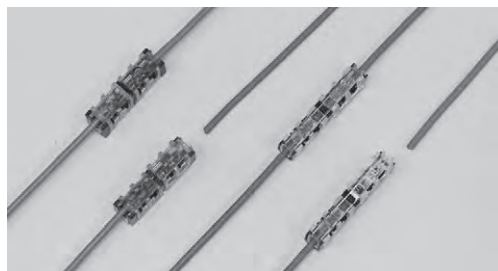
Connecting plate is used to lock mating connection. (Sold separately.)

WIRE TO WIRE IDC NDC SERIES



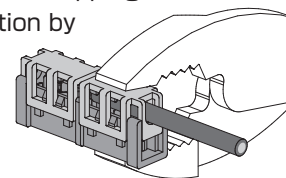
RoHS 10

See page 2

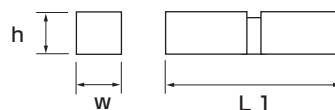


FEATURES

- No need of wire stripping.
- Easy connection by using pliers.



After IDC



● Applicable wire size (Annealed copper wire plasticized)

		NDB 2420	NDB 2018
Wire size	Stranded	0.2~0.5mm ² AWG 24-20	0.5~0.75mm ² AWG 20-18
	Solid	φ 0.65mm	—
Max. wire outside diameter		φ 2.1mm	φ 2.8mm

	DIMENSION (mm)		
	L1	w	h
NDB 2420	30.8	5.6	5.8
NDB 2018	25.2	7.5	7.8

● Rating/Material

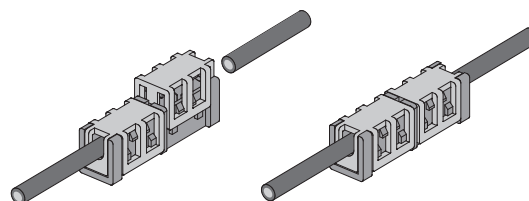
	NDB 2420	NDB 2018
Current	AWG 24-22 (2A)	AWG 20 (6A)
	AWG 20 (3A)	AWG 18 (8A)
Voltage	100V	300V
Insulation Maximum Operating Temperature	120°C	
Working Temperature Range	0°C~40°C	
Housing	Polycarbonate (Black)	
Cover	Polycarbonate (Yellow translucent)	Polycarbonate (Green translucent)
Contact	Pre-tin plated phosphor bronze	

● Package quantity

NDB 2420	100pcs. (10pcs.×10)
NDB 2018	

● Recommended pliers (JIS B 4614 150)

NDB 2018



Insert the wire for insulation displacement connection. Note) Press down the cover.

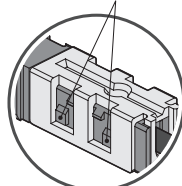
*NDC TOOL (Hand tool for NDC series) is recommended for clamping.

Remarks

Indoor use only.

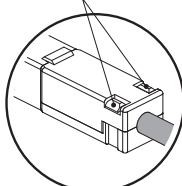
IDC contact is not reusable.

- Confirm correct lockage. Total 4 locking positions on each side.



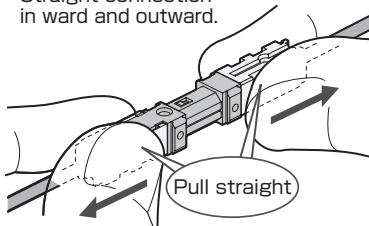
NDB 2824 · 2420 · 2018A

- Confirm correct lockage. Total 2 locking positions on each side.



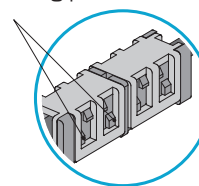
NDC 3026

- Straight connection in ward and outward.

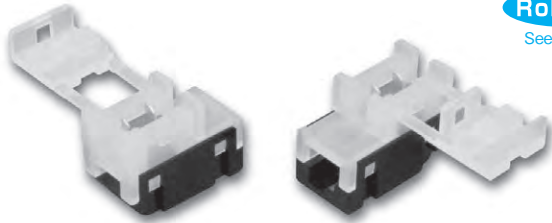


NDB Series

- Confirm correct lockage. Total 8 locking positions on each side.



Insulated Displacement Connectors (Branch connection)

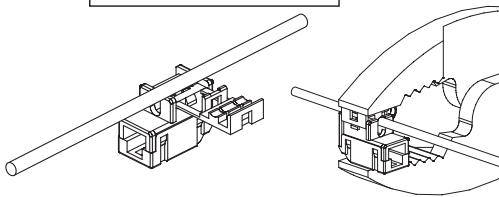


RoHS 10

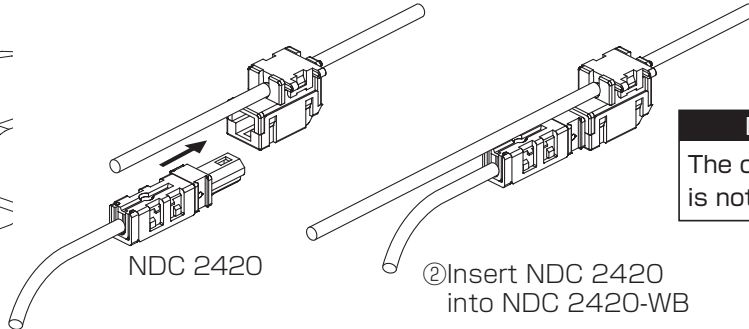
See page 2

- **Rating**
Voltage (AC/DC): 100 V
Current: 2A (AWG 24-22), 3A (AWG 20)
Insulation Maximum Operating Temperature: 105°C
Working Temperature Range: 0°C ~ 40°C
- **Part Number:** NDC 2420-WB
- **Package quantity:** 200 pcs (20 x 10)

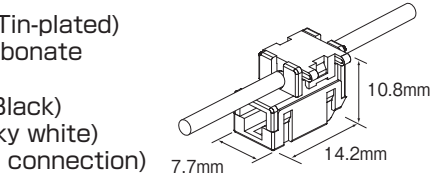
How to connect



① Press NDC 2420-WB on trunk line by using pliers.



② Insert NDC 2420 into NDC 2420-WB



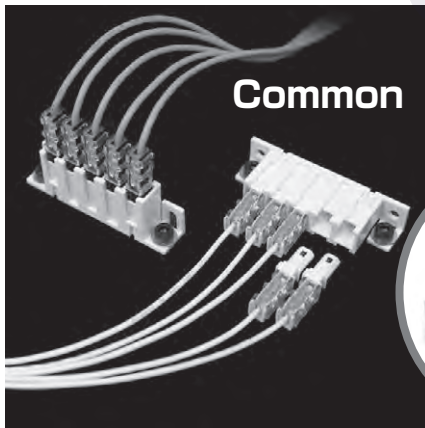
FEATURES

- No special tools required for Branch connection. The branched side is removable by NDC 2420.
- **Applicable wire** (Annealed copper wire · Plasticized polyvinyl chloride wire)
Stranded wire : 0.2 ~ 0.5 mm² (AWG 24-20)
Max. wire outside diameter: Φ 2.1 mm
Solid wire : Φ 0.65 mm /
Max. wire outside diameter: Φ 2.1 mm
 - **Material**
Contact: Brass (Tin-plated)
Housing: Polycarbonate
Cover: Nylon
Color: Housing (Black)
Cover (Milky white)
 - **Dimension (After connection)**

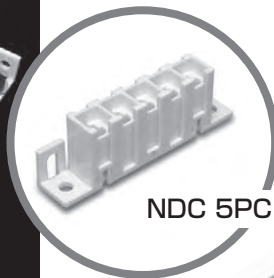
NOTE

The connector is not reusable.

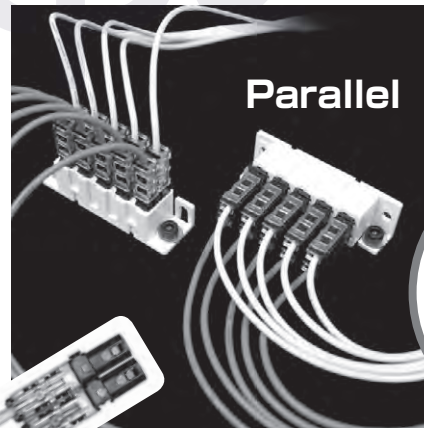
NDC Connec Common / Parallel Type



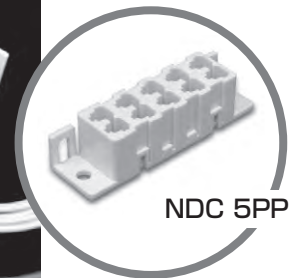
Common



NDC 5PC

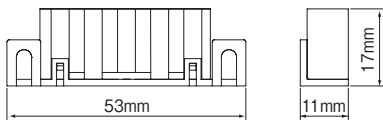


Parallel



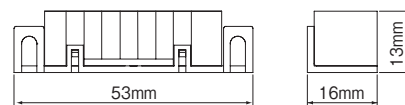
NDC 5PP

● Dimension



(Fixing screws : M3)

● Dimension



(Fixing screws : M3)

RoHS 10

See page 2

FEATURES

- **Rating**
Voltage (AC/DC) : 100V
Maximum Current: 6A
Insulation Maximum Operating Temperature: 120°C
Working Temperature Range: 0°C ~ 40°C
- **Material**
Housing: Polycarbonate (Ivory)
Cover: Polycarbonate (Ivory)
Contact: Brass (Tin-plated)

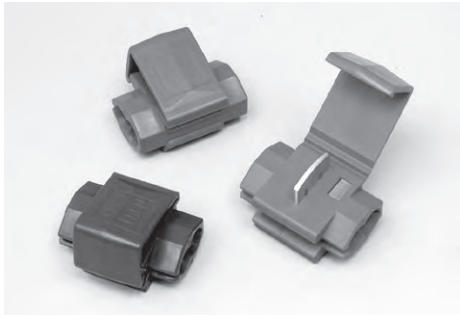
Capable of common connection by fixing either horizontally and vertically.

- **Applicable Connector** : NDC 2824, NDC 2420
- **Part Number**
NDC 5PC (Common) / NDC 5PP (Parallel)
- **Parting quantity** : 50pcs (5 x 10)



PLIER TAP CONNECTORS For appliance electrical wiring

PT CONNECTORS

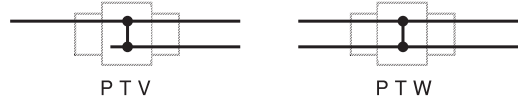
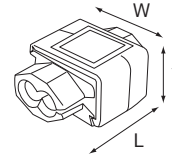


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SPECIFICATION

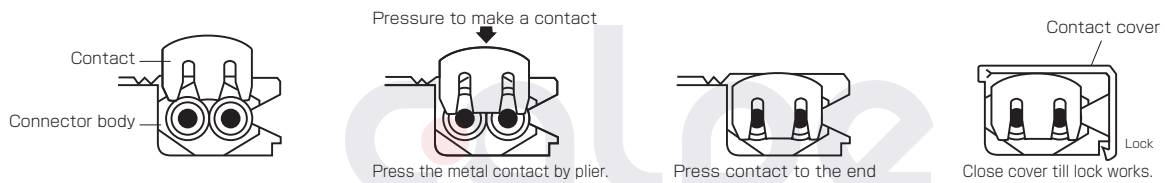
- MATERIAL Contact : Brass (Tin plated)
Body : Polypropylene
- RATED VOLTAGE 600V
- RATED CURRENT 7A (0.9mm²)
15A (2.0mm²)
- RATED TEMPERATURE 105°C (MAX)



PART NUMBER	Nominal Size mm ²	Type of branch	DIMENSIONS mm			WIRE RANGE			Max. Wire O.D. φ	STD COLOR	STD QTY/BOX
			L	W	t	SOLID mm	STRANDEDmm ²	AWG			
PT V-09S	0.9	1branch	20.0	15.6	10.0	0.65~1.0	0.5~0.9	20-18	3.05	RED	100
PT V-20S	2.0					1.0~1.6	1.25~2.0	16-14	3.68	BLUE	
PT W-09S	0.9	2branch				0.65~1.0	0.5~0.9	20-18	3.05	RED	
PT W-20S	2.0					1.0~1.6	1.25~2.0	16-14	3.68	BLUE	

NOTE

For stranded wire, diameter of the strand must be larger than 0.32mm. Insulation of the wire should be PVC. Plier tap connector is not suitable for certain electric wiring. Contact us for further information.



SPTV CONNECTORS

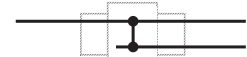
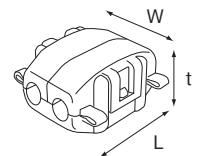


RoHS 10

See page 2

SPECIFICATION

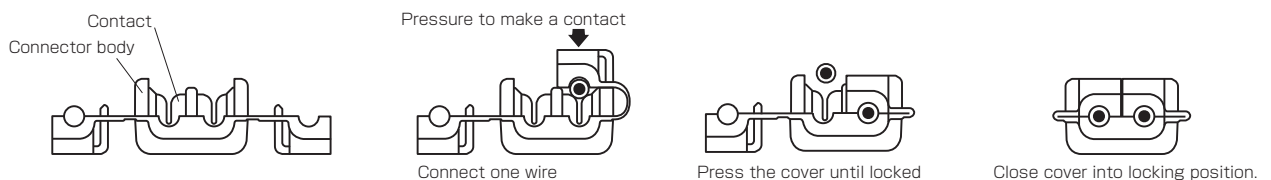
- MATERIAL Contact : Brass (Tin plated)
Body : SPTV05 (Nylon)
SPTV09 · 20 (Polypropylene)
- RATED VOLTAGE SPTV 05 : 50V
SPTV 09 · 20 : 300V
- RATED CURRENT SPTV 05 : 3A
SPTV 09 · 20 : 5A (0.85 mm²) · 10A (2.0 mm²)
- RATED TEMPERATURE SPTV05 : 105°C
SPTV09 · 20 : 75°C



PART NUMBER	Nominal Size mm ²	Type of branch	DIMENSIONS mm			WIRE RANGE			Max. Wire O.D. φ	STD COLOR	STD QTY/BOX
			L	W	t	SOLID mm	STRANDEDmm ²	AWG			
SPTV 05	0.5	1branch	11.0	15.0	7.0	—	0.2~0.5	24-20	1.4~1.8	WHITE	100
SPTV 09	0.9		18.0	19.5	10.0	0.8~1.0	0.5~0.85	20-18	1.5~2.8	RED	
SPTV 20	2.0		1.2~1.6	1.25~2.0	16-14	2.0~3.4	BLUE				

NOTE

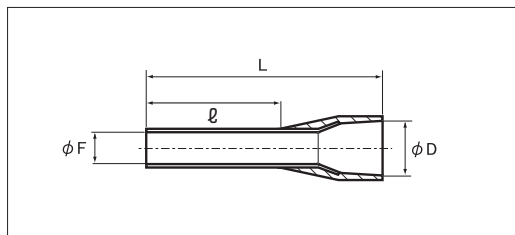
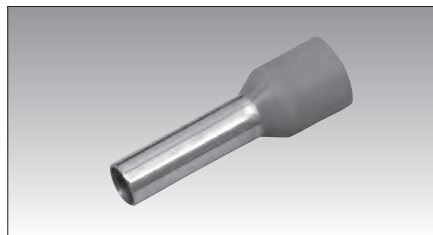
For stranded wire, diameter of the strand must be larger than 0.32mm. Insulation of the wire should be PVC. Plier tap connector is not suitable for certain electric wiring. Contact us for further information.





WIRE ENDS

■ SINGLE WIRE



■ MATERIAL :SLEEVE : Copper (Tin-plated)
INSULATOR : Polypropylene

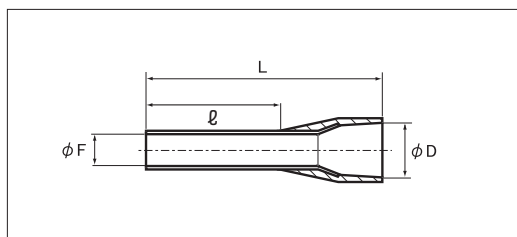
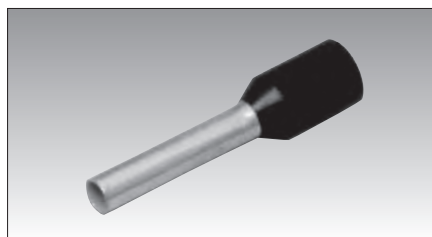
■ STANDARD :DIN46228/4 (Except for ※)

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.	COLOR	STD QTY/BAG
	φ F	φ D	ℓ	L	STRANDEDmm ²	AWG	HAND TOOL No.		
NF 0.14-8	0.8	1.9	8.0	12.0	0.14	26	NH 89	GRAY	500
NF 0.25-6			6.0	10.0				0.25	
NF 0.25-8			8.0	12.0	YELLOW				
NF 0.25-10			10.0	14.0	YELLOW				
NF 0.25-12			12.0	16.0	BLUE				
NF 0.34-6	0.8	1.9	6.0	10.0	0.3 · 0.34	22	NH 89	TURQUOISE	
NF 0.34-8			8.0	12.0					
NF 0.34-10			10.0	14.0					
NF 0.34-12			12.0	16.0					
NF 0.5-6 ○	1.1	2.4	6.0	12.0	0.5	20	NH 79A NH 89	WHITE	
NF 0.5-8 ○			8.0	14.0					
NF 0.5-10 ○			10.0	16.0					
NF 0.5-12 ○			12.0	18.0					
NF 0.75-6 ○	1.3	2.7	6.0	12.0	0.75	20	NH 79A NH 89	GRAY	
NF 0.75-8 ○			8.0	14.0				GRAY/BLUE	
NF 0.75-10 ○			10.0	16.0				GRAY	
NF 0.75-12 ○			12.0	18.0					
NF 1.0-6 ○	1.5	2.9	6.0	12.0	1.0	18	NH 79A NH 89	RED	
NF 1.0-8 ○			8.0	14.0					
NF 1.0-10 ○			10.0	16.0					
NF 1.0-12 ○			12.0	18.0					
NF 1.5-6 ○	1.8	3.3	6.0	12.0	1.25 · 1.5	16	NH 79A NH 89	BLACK	
NF 1.5-8 ○			8.0	14.0					
NF 1.5-10 ○			10.0	16.0					
NF 1.5-12 ○			12.0	18.0					
NF 2.08-8 ○	2.05	3.5	8.0	14.0	2.0	14	NH 79A NH 89	YELLOW	
NF 2.5-8 ○			8.0	15.0				BLUE/GRAY	
NF 2.5-10 ○	2.3	4.1	10.0	17.0	2.0 · 2.5	14	NH 79A NH 89	BLUE	
NF 2.5-12 ○			12.0	19.0				BLUE/GRAY	
NF 4.0-10 ○	2.9	4.7	10.0	17.0	3.5 · 4.0	12	NH 79A NH 89	ORANGE/GRAY	
NF 4.0-12 ○			12.0	19.0				GRAY	
NF 6.0-12 ○	3.6	6.1	12.0	20.0	5.5 · 6.0	10	NH 79A NH 89	YELLOW/GREEN	
NF 6.0-18 ○			18.0	26.0				YELLOW	
NF 10.0-12 ○	4.6	7.4	12.0	21.0	10.0	8	NH 89	BROWN	
NF 10.0-18 ○			18.0	27.0					



WIRE ENDS

■ SINGLE WIRE



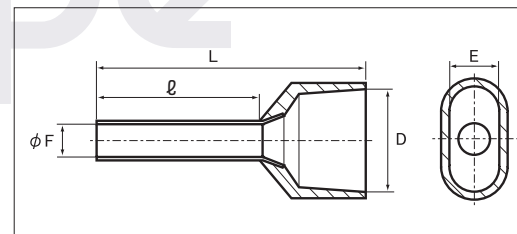
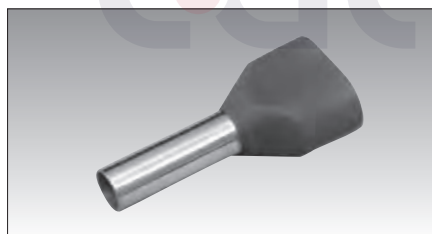
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See page 2

(For wires with thick insulation)

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.	COLOR	STD QTY/BAG
	ϕF	ϕD	ℓ	L	STRANDEDmm ²	AWG	HAND TOOL No.		
NFG 0.5-8	1.1	2.9	8.0	14.0	0.5	20	NH 79A NH 89	WHITE	500
NFG 0.5-10			10.0	16.0				BLUE/GRAY	
NFG 0.75-8	1.3	3.3	8.0	14.0	0.75	20		RED	
NFG 0.75-10			10.0	16.0				BLACK	
NFG 1.0-8	1.5	3.3	8.0	14.0	1.0	18		GRAY/BLUE	
NFG 1.0-10			10.0	16.0				BLUE	
NFG 1.5-8	1.8	3.7	8.0	14.0	1.25 · 1.5	16	GRAY	500	
NFG 1.5-10			10.0	16.0			BLUE		
NFG 2.5-8	2.3	4.7	8.0	15.0	2.0 · 2.5	14	GRAY		200
NFG 2.5-10			10.0	17.0			GRAY		
NFG 2.5-12			12.0	19.0			GRAY		

■ TWIN WIRE



RoHS10

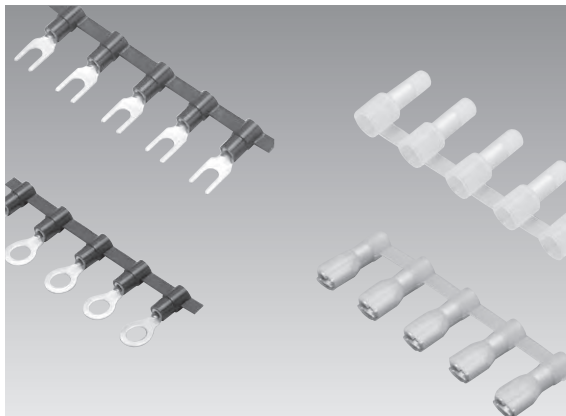
See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.	COLOR	STD QTY/BAG
	ϕF	D	E	ℓ	L	STRANDEDmm ²	AWG	HAND TOOL No.		
NFW 0.5-8	1.5	4.6	2.4	8.0	15.0	0.5×2	20×2	NH 79A NH 89	WHITE	500
NFW 0.5-10				10.0	17.0				BLUE/GRAY	
NFW 0.75-8	1.8	5.4	2.7	8.0	15.0	0.75×2	20×2		GRAY	
NFW 0.75-10				10.0	17.0				RED	
NFW 1.0-8	2.0	5.3	3.3	8.0	15.0	1.0×2	18×2		BLACK	
NFW 1.5-8	2.3	6.5	3.5	8.0	16.0	1.5×2	16×2		GRAY/BLUE	
NFW 2.5-10	2.9	7.7	4.1	10.0	19.0	2.5×2	14×2			





INSULATED CHAIN TERMINALS (ICT)



SPECIFICATION

- **MATERIAL** : Terminal/Sleeve : Oxygen free copper (Electro-tin-plated)
Disconnect : Brass(Electro-tin-plated)
Insulator : Vinyl/Nylon
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : Please see amperage rating table for insulated wires. Page 148.
- **INSULATOR TEMPERATURE** : - 40°C~+ 75°C Vinyl
- 40°C~+ 105°C Nylon

ICT FEATURES

CONNECTED INSULATED TERMINAL

Each terminal has a fixed distance which enables to crimp continuously

EASY CRIMP

Chain terminal comes on a reel, terminal is fed automatically to the correct position in the dies.
With an optional sensor, insert the wire for automatic crimp.

QUALITY CRIMP

ICT crimping gets a consistent quality crimp

STANDARDS(Terminal & Sleeve)

- Japanese Industrial Standards, JIS C2805
- UL486A-486B(File No. E44245)
- CSA C22.2(File No. LR-28418)

STANDARDS(Quick Disconnect)

- UL310 (File No. E78965)
- CSA C22.2 No. 153 (File No. LR-28418)

STANDARDS(Closed end connector)

- UL486C (File No. E44245)
- CSA C22.2 No. 188 (File No. LR-28418)

FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended applicator/machine.
- Use with specified wire range.

(NOTE)

APPLICABLE WIRE

Wire range and performance ratings comply with JIS standards wire (IV,KIV,VSF)

INSULATOR/COLOR

STANDARD COLOR				
	ICT0.3/0.5	ICT1.25	ICT2	ICT5.5
VINYL	Yellow	Red	Blue	Yellow
NYLON	Yellow translucent	Red translucent	Blue translucent	Yellow translucent

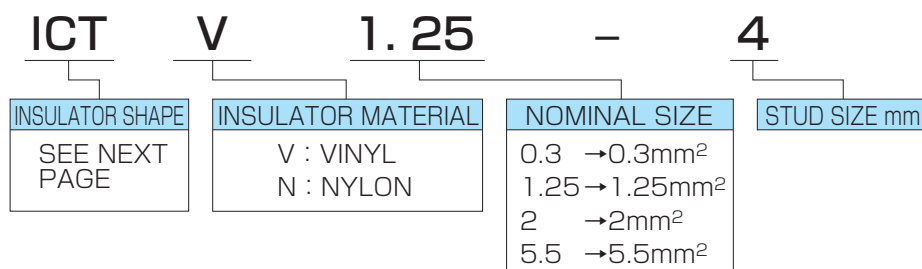
WIRE STRIP LENGTH

Strip length should be approx. 2mm longer than crimp barrel length. (Conductor should come out 1mm from crimp barrel.)

NYLON PRODUCTS

Consume as soon as possible, store carefully it accepts influence of temperature & humidity.

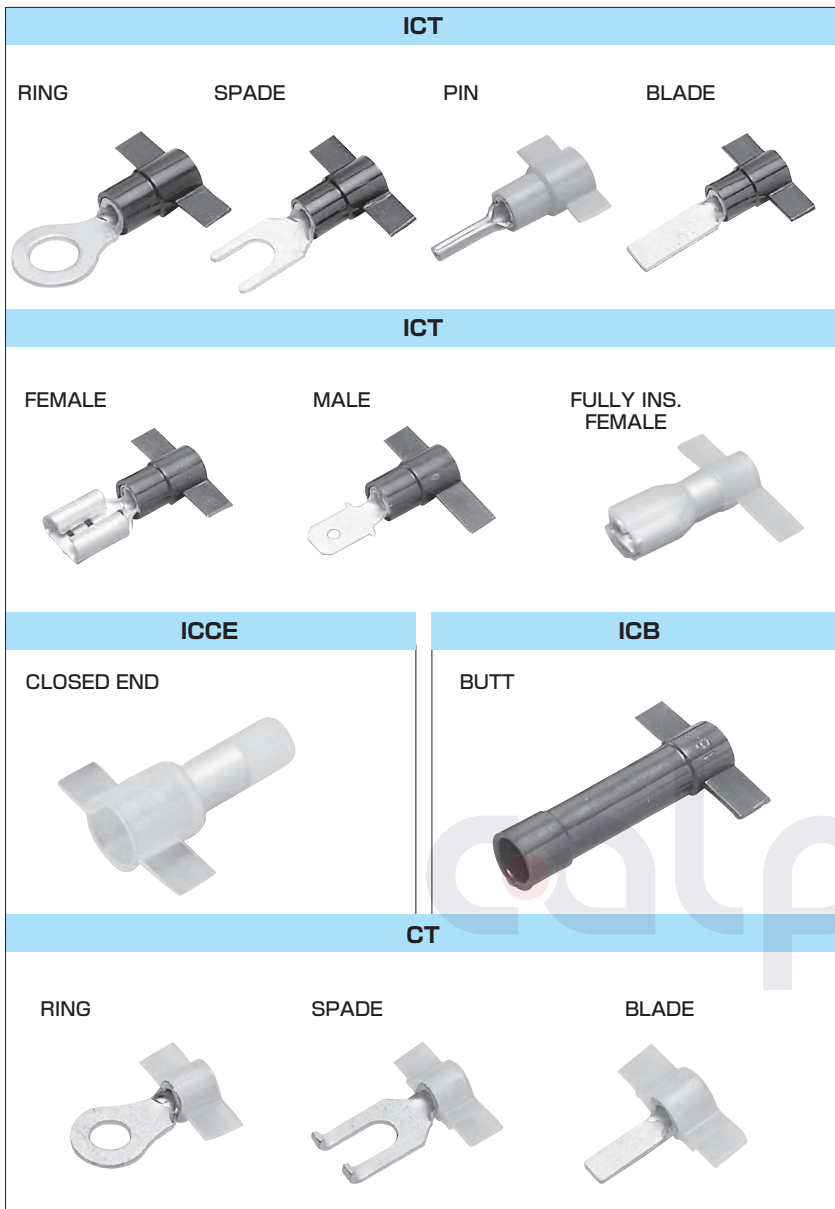
STRUCTURE OF OUR PART NUMBER





INSULATED CHAIN TERMINALS (ICT)

ICT PART NUMBER AND SHAPE



ICT (Insulated Chain Terminal)

ICT Ring(R), Spade(Y), Pin(TC), Blade (BT)

ICT Disconnects

ICT Female, Male, Fully Insulated Female Disconnect

ICCE Closed End

ICB Butt

CT (Non-insulated Chain Terminal)

Non-insulated terminals are connected with plastic carriers which brake open when crimped. CT Ring(R), Spade(Y), Blade (BT)

CROSS REFERENCE BETWEEN ICT P/N AND JIS P/N.

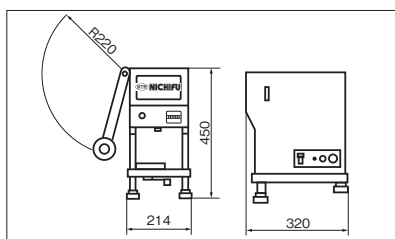
(EXAMPLE)

MATERIAL OF INSULATOR	ICT P/N	JIS	
		SYMBOL	NOMINAL SIZE
VINYL	ICTV1.25-3	RB	RBA1.25-3
NYLON	ICTN1.25-3		RBC1.25-3





ICT PNEUMATIC CRIMPING MACHINE (NCA 100)



ICT pneumatic crimper NCA-100 is designed to automatically feed the next terminal into proper crimping position. Efficient and quality crimping can be obtained.

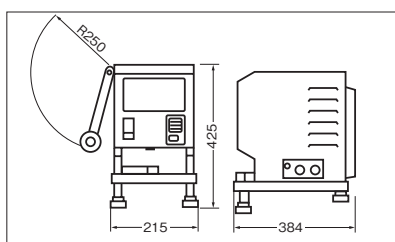
FEATURES

- Compressed air supply and electricity are required.
- Easily replaceable applicator.
- Applicable wire range for ICT/CT is 0.3mm² ~ 5.5mm².
- Easy operation.

SPECIFICATIONS

ITEM	SPECIFICATION
PART NO.	NCA100
APPLICABLE TERMINALS	ICT0.3~ICT5.5 and CT1.25 ~CT5.5
OUTPUT POWER	12KN
OPERATION	Foot S/W or Sensor
AIR COUPLER	1/4PF (Nitto P/N 20PM)
AIR PRESSURE	0.5MPa
AIR CONSUMPTION	5Nℓ /one crimp
CRIMP CYCLE	0.8sec./pc.
VOLTAGE	AC 100V ± 10%
ELECTRIC CONSUMPTION	20W
WEIGHT	40kgs.

ICT ELECTRIC CRIMPING MACHINE (NCM 100)



Totally electric (No compressed air needed.)

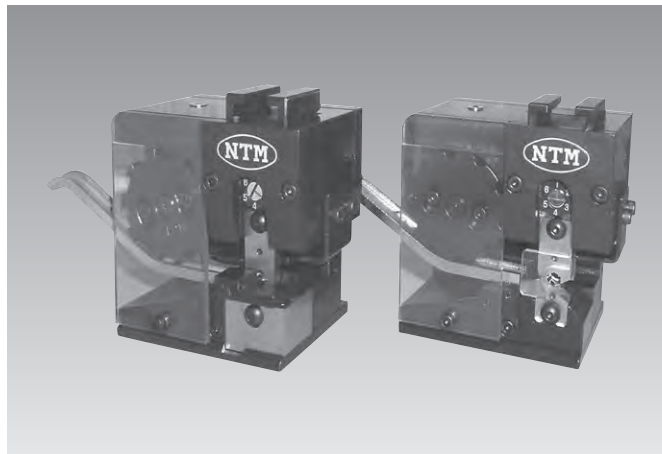
FEATURES

- With AC 100V, NCM100 can crimp ICT0.3 ~ 5.5 and CT1.25 ~ 5.5(non-insulated terminals).
- Applicator for ICT is placed on NCM100 with easy changeable mechanism.
- Easy operation.
- CE Marking Model also available.

SPECIFICATIONS

ITEM	SPECIFICATION
PART NO.	NCM100
APPLICABLE TERMINALS	ICT0.3~ICT5.5 and CT1.25~CT5.5
OUTPUT POWER	12KN
OPERATION	Foot S/W or Sensor
CRIMP CYCLE	0.8sec./pc.
VOLTAGE	AC 100V ± 10%
ELECTRIC CONSUMPTION	200W Max.
WEIGHT	39kgs.

APPLICATORS FOR NCA 100 · NCM 100



The applicator (NC-) can be used for both NCA 100 and NCM 100.

FEATURES

- The applicator consists of feeder, carrier cutter and crimping system.
- Compact design.
- The dial adjusts the insulation crimp height.
- WEIGHT: 3.3kgs.

SPECIFICATIONS

ITEM	SPECIFICATION
TYPE	NC-
TERMINAL FEED	Rotor
CARRIER CUTTING	Insulator dies
WIRE CRIMP HEIGHT	No need to adjust
INSULATOR CRIMP HEIGHT	Adjust by the dial
WEIGHT	3.3kgs.

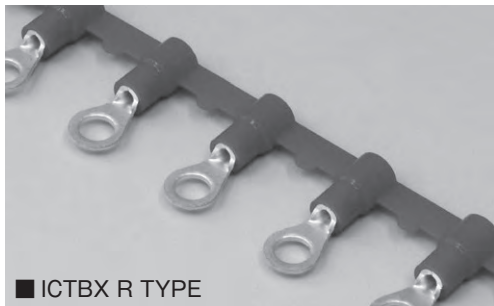
SHAPE OF TERMINAL	MATERIAL OF INSULATOR	APPLICABLE TERMINAL	APPLICATOR P/N
INSULATED TERMINAL RING SPADE PIN BLADE	POLYCARBONATE NYLON	ICTBX 0.3	NC 10AX
		ICTN 0.3	NC 10A
		ICTBX 1.25, ICTN 1.25	NC 11A2
		ICTBX 1.25, ICTN 1.25	NC 11A
		ICTBX 2, ICTN 2	NC 12A
		ICTBX 5.5, ICTN 5.5	NC 13A2
		ICTBX 5.5, ICTN 5.5	NC 13A
NON INSULATED TERMINAL RING SPADE *FLANGE(W) *PIN *BLADE	—	CT 1.25	NC 1A
	—	CT 2	NC 2A
	—	CT 5.5	NC 3A
CLOSED END	NYLON	IC CE-1	NC 14A
		IC CE-2	NC 15A
		IC CE-5	NC 16A
FEMALE DISCONNECT	VINYL	ICTDV 280509-F, ICTDV 280809-F	NC 11A2
		ICTDV 480509-F, ICTDV 480809-F	NC 11A
ICTDV 630809-F, M		NC 12A	
ICTDV 480520-F, M, ICTDV 480820-F			
ICTDV 630820-F, M			
ICTDV 630855-F, M			
MALE DISCONNECT	ICTDV 630855-F, M	NC 13A	
FULLY INSULATED FEMALE DISCONNECT	NYLON	ICTDEN 280509-FA, ICTDEN 280809-FA	NC 11JN
		ICTDN 480509-FA, ICTDN480809-FA	NC 11EN
		ICTDN 630809-FA	NC 11FN
		ICTDN 480520-FA, ICTDN 480820-FA	NC 12EN
		ICTDN 630820-FA	NC 12FN
INSULATED BUTT	VINYL	ICV B-1.25	NC 11H
		ICV B-2	NC 12H
		ICV B-5.5	NC 13H

*Put suffix letters, for example PIN NC 1AC
FLANGE(W) NC 1AW

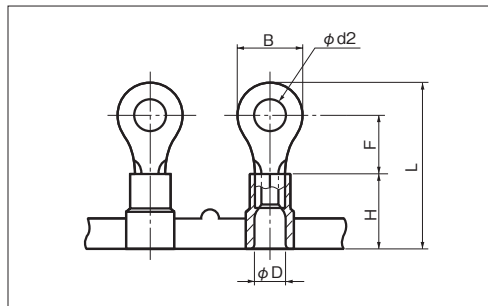


INSULATED CHAIN TERMINALS (R TYPE) ICTBX : Polycarbonate

JIS C 2805



■ ICTBX R TYPE



RoHS 10
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR	
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG				
ICTBX 0.3-2	○	2.2	5.2	17.5	4.9	10.0	3.2	0.2~0.5	24-20	2,000	NC 10AX	YELLOW
ICTBX 0.3-3	○	3.2		17.5	4.9							
ICTBX 0.3-3N	○	3.2	19.8	7.2								
ICTBX 0.3-3.5	○	3.7	20.5									
ICTBX 0.3-4	○	4.3	20.5									
ICTBX 0.3-5	○	5.3	8.0	21.0	7.0							
ICTBX 1.25-2	○	2.2	5.5	17.5	4.7	10.0	4.1	0.3~0.75 (NC11A2)	22-18	1,500	NC 11A2	RED
ICTBX 1.25-2S	○		5.7	17.4	4.5							
ICTBX 1.25-3 (RBA 1.25-3)	●	3.2	5.5	17.5	4.7							
ICTBX 1.25-3N	○	3.2	5.6	20.4	7.6							
ICTBX 1.25-3S	○	3.2	5.7	17.4	4.5							
ICTBX 1.25-3.5N	○	3.7	5.6	20.4	7.6							
ICTBX 1.25-3.5S	○		5.7	17.4	4.5							
ICTBX 1.25-3.5 (RBA 1.25-3.5)	●		6.6	18.8	5.5							
ICTBX 1.25-3.5M	○	4.3	6.8	19.4	6.0							
ICTBX 1.25-3.5L	○		8.0	21.1	7.1							
ICTBX 1.25-4M	○		6.8	19.4	6.0							
ICTBX 1.25-4 (RBA 1.25-4)	●	5.3	8.0	21.1	7.1							
ICTBX 1.25-5 (RBA 1.25-5)	●	5.3	8.0	21.1	7.1							
ICTBX 1.25-6	○	6.4	12.0	25.7	9.7							
ICTBX 1.25-8	○	8.4										
ICTBX 2-2	○	2.2	6.5	18.2	4.9	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTBX 2-3N	○	3.2	5.6	20.4	7.6							
ICTBX 2-3S	○		5.7	17.8	4.9							
ICTBX 2-3	○	6.5	18.2									
ICTBX 2-3.5N	○	3.7	5.6	20.4	7.6							
ICTBX 2-3.5NS	○		6.5	18.2	4.9							
ICTBX 2-3.5 (RBA 2-3.5)	●		6.6	19.9	6.6							
ICTBX 2-3.5S	○		6.6	20.9	7.6							
ICTBX 2-3.5M	○		8.0	21.5	7.5							
ICTBX 2-4S	○	4.3	6.6	19.9	6.6							
ICTBX 2-4 (RBA 2-4)	●		8.5	22.0	7.7							
ICTBX 2-4M	○	5.3	8.0	21.5	7.5							
ICTBX 2-5M	○		9.5	22.5	7.7							
ICTBX 2-5 (RBA 2-5)	●		9.5	22.5	7.7							
ICTBX 2-6 (RBA 2-6)	●	6.4	12.0	27.0	11.0							
ICTBX 2-8 (RBA 2-8)	●	8.4										
ICTBX 2-10	○	10.5	15.0	30.0	12.5							

NOTE 1) ● : JIS, UL·CSA ○ : UL·C-UL

- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire.
- JIS part no. is shown in parenthesis.
- Applicator shall be selected by wire range. (NC 11A2/NC 11A) (NC 13A2/NC 13A)

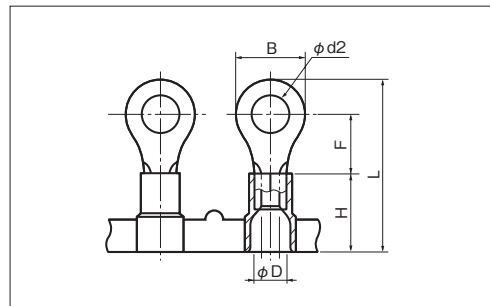


INSULATED CHAIN TERMINALS (R TYPE) ICTBX : Polycarbonate

JIS C 2805



■ ICTBX R TYPE



RoHS10

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTBX 5.5-3M ○	3.2	6.5	24.45	7.2	14.0	6.8	2.63~4.6 (NC13A2)	12	1,000	NC 13A2	
ICTBX 5.5-3N ○		7.0	24.7								
ICTBX 5.5-3S ○		9.0	25.7								
ICTBX 5.5-3.5N ○	3.7	7.0	24.7	7.2							
ICTBX 5.5-3.5S ○		9.0	25.7								
ICTBX 5.5-3.5 ○		9.5	27.0								8.2
ICTBX 5.5-4N ○	4.3	7.0	24.7	7.2							
ICTBX 5.5-4S ○		9.0	25.7								
ICTBX 5.5-4 (RBA 5.5-4) ●		9.5	27.0		8.2						
ICTBX 5.5-5N ○	5.3	8.0	25.2	7.2							
ICTBX 5.5-5S ○		9.0	25.7								
ICTBX 5.5-5 (RBA 5.5-5) ●		9.5	27.0		8.2						
ICTBX 5.5-6 (RBA 5.5-6) ●	6.4	12.0	30.5	10.5	14.0	4.6~6.64 (NC13A)	10	1,000	NC 13A		
ICTBX 5.5-8 (RBA 5.5-8) ●	8.4	15.0	35.5	14.0							
ICTBX 5.5-10 (RBA 5.5-10) ●	10.5										

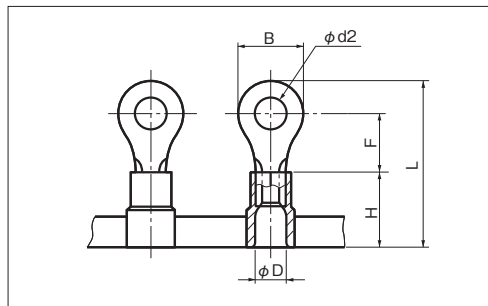
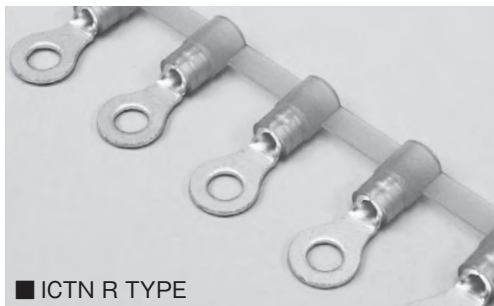
- NOTE 1) ● : JIS, UL·CSA ○ : UL·C-UL
 2) Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire.
 3) JIS part no. is shown in parenthesis.
 4) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

E



INSULATED CHAIN TERMINALS (R TYPE) ICTN : Nylon

JIS C 2805



■ ICTN R TYPE

RoHS 10

See page 2

RoHS 10

Yellow Nylon
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR	
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG				
ICTN 0.3-2	○	2.2		17.5	4.9	10.0	3.2	0.2~0.5 (0.3~0.5) UL·CSA USE	24-20 (22-20) UL·CSA USE	2,000	NC 10A	YELLOW TRANSLUCENT
ICTN 0.3-3	○	3.2	5.2	17.5	4.9							
ICTN 0.3-3N	○			19.8								
ICTN 0.3-3.5	○	3.7		20.5	7.2							
ICTN 0.3-4	○	4.3	6.6	20.5								
ICTN 0.3-5	○	5.3	8.0	21.0	7.0							
ICTN 1.25-2	○	2.2	5.5	17.5	4.7	10.0	4.1	0.3~0.75 (NC11A2)	22-18	1,500	NC 11A2	RED TRANSLUCENT
ICTN 1.25-2S	○		5.7	17.4	4.5							
ICTN 1.25-3 (RBC 1.25-3)●	●		5.5	17.5	4.7							
ICTN 1.25-3N	○	3.2	5.6	20.4	7.6							
ICTN 1.25-3S	○		5.7	17.4	4.5							
ICTN 1.25-3.5N	○		5.6	20.4	7.6							
ICTN 1.25-3.5S	○		5.7	17.4	4.5							
ICTN 1.25-3.5 (RBC 1.25-3.5)●	●	3.7	6.6	18.8	5.5							
ICTN 1.25-3.5M	○		6.8	19.4	6.0							
ICTN 1.25-3.5L	○		8.0	21.1	7.1							
ICTN 1.25-4M	○	4.3	6.8	19.4	6.0							
ICTN 1.25-4 (RBC 1.25-4)●	●		8.0	21.1	7.1							
ICTN 1.25-5 (RBC 1.25-5)●	●	5.3										
ICTN 1.25-6	○	6.4	12.0	25.7	9.7							
ICTN 1.25-8	○	8.4										
ICTN 2-2	○	2.2	6.5	18.2	4.9	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT
ICTN 2-3N	○		5.6	20.4	7.6							
ICTN 2-3S	○	3.2	5.7	17.8	4.9							
ICTN 2-3	○		6.5	18.2								
ICTN 2-3.5N	○		5.6	20.4	7.6							
ICTN 2-3.5NS	○		6.5	18.2	4.9							
ICTN 2-3.5 (RBC 2-3.5)●	●	3.7	6.6	19.9	6.6							
ICTN 2-3.5S	○		6.6	20.9	7.6							
ICTN 2-3.5M	○		8.0	21.5	7.5							
ICTN 2-4S	○		6.6	19.9	6.6							
ICTN 2-4 (RBC 2-4)●	●	4.3	8.5	22.0	7.7							
ICTN 2-4M	○		8.0	21.5	7.5							
ICTN 2-5M	○	5.3										
ICTN 2-5 (RBC 2-5)●	●		9.5	22.5	7.7							
ICTN 2-6 (RBC 2-6)●	●	6.4	12.0	27.0	11.0							
ICTN 2-8 (RBC 2-8)●	●	8.4										
ICTN 2-10	○	10.5	15.0	30.0	12.5							

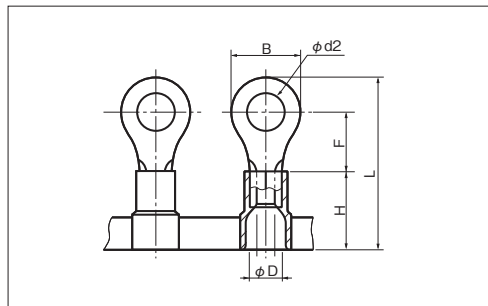
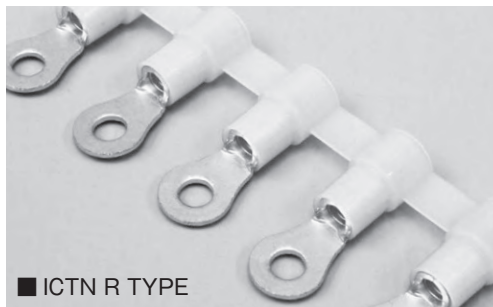
NOTE 1) ● : JIS, UL·CSA ○ : UL·CSA △ : UL

- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- JIS part no. is shown in parenthesis.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)



INSULATED CHAIN TERMINALS (R TYPE) ICTN : Nylon

JIS C 2805



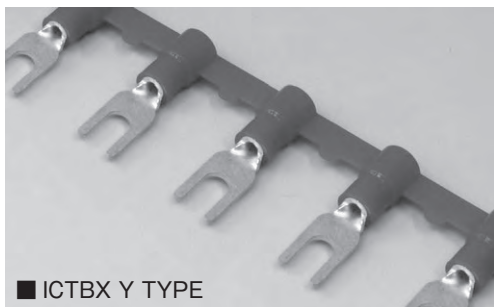
RoHS10
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTN 5.5-3M ○	3.2	6.5	24.45	7.2	14.0	6.8	2.63~4.6 (NC13A2)	12	1,000	NC 13A2	YELLOW TRANSLUCENT
ICTN 5.5-3N ○		7.0	24.7								
ICTN 5.5-3S ○		9.0	25.7								
ICTN 5.5-3.5N ○	3.7	7.0	24.7								
ICTN 5.5-3.5S ○		9.0	25.7								
ICTN 5.5-3.5 ○		9.5	27.0	8.2							
ICTN 5.5-4N ○	4.3	7.0	24.7	7.2							
ICTN 5.5-4S ○		9.0	25.7								
ICTN 5.5-4 (RBC 5.5-4) ●		9.5	27.0		8.2						
ICTN 5.5-5N ○	5.3	8.0	25.2	7.2							
ICTN 5.5-5S ○		9.0	25.7								
ICTN 5.5-5 (RBC 5.5-5) ●		9.5	27.0		8.2						
ICTN 5.5-6 (RBC 5.5-6) ●	6.4	12.0	30.5	10.5	4.6~6.64 (NC13A)	10	NC 13A				
ICTN 5.5-8 (RBC 5.5-8) ●	8.4	15.0	35.5	14.0							
ICTN 5.5-10 (RBC 5.5-10) ●	10.5										

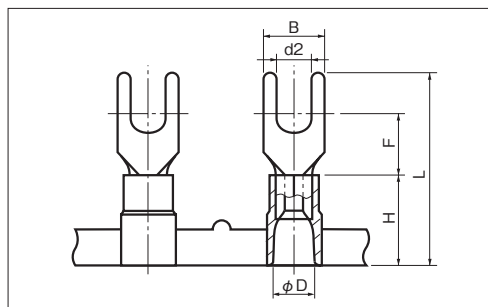
- NOTE 1) ● : JIS, UL·CSA ○ : UL·CSA
 2) Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
 3) JIS part no. is shown in parenthesis.
 4) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

E

INSULATED CHAIN TERMINALS (ICT) (Y TYPE) ICTBX : Polycarbonate



■ ICTBX Y TYPE



RoHS 10

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	φd2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTBX 0.3Y-2	2.2	5.2	17.5	4.9	10.0	3.2	0.2~0.5	24-20	2,000	NC 10AX	YELLOW
ICTBX 0.3Y-3	3.2										
ICTBX 0.3Y-3.5N	3.7	20.5	5.8								
ICTBX 0.3Y-4N	4.3										
ICTBX 0.3Y-5	5.3	8.0	21.0	7.0							
ICTBX 1.25Y-2.5	2.7	4.7	17.2	5.1	10.0	4.1	0.3~0.75 (NC11A2)	22-18	1,500	NC 11A2	RED
ICTBX 1.25Y-3K	3.2	5.6	20.5	5.8							
ICTBX 1.25Y-3		5.8									
ICTBX 1.25Y-3N	3.7	5.6	20.5	5.8							
ICTBX 1.25Y-3.5K		5.8									
ICTBX 1.25Y-3.5	4.3	6.2	21.5	6.8							
ICTBX 1.25Y-3L		6.4	21.9	6.6							
ICTBX 1.25Y-4N	7.0	7.6									
ICTBX 1.25Y-4S	4.3		8.1	21.9							
ICTBX 1.25Y-4M		5.3	9.6	23.0							
ICTBX 1.25Y-4L	6.4		11.0	24.5							
ICTBX 1.25Y-5		3.2									
ICTBX 1.25Y-6	6.4										
ICTBX 2Y-3	3.7	5.8	21.3	7.6							
ICTBX 2Y-3.5S		6.4									
ICTBX 2Y-3.5	4.3	7.0	21.5	7.0							
ICTBX 2Y-3.5L					8.0	7.1					
ICTBX 2Y-4N	4.3	10.0	22.6	8.7							
ICTBX 2Y-4S		5.3	8.0	21.5	7.1						
ICTBX 2Y-4	5.3		10.0	22.6	8.7						
ICTBX 2Y-4M		6.4	12.0	23.5	8.5						
ICTBX 2Y-5	6.4					24.5	8.6				
ICTBX 2Y-5M		8.4	14.0	27.5	11.5						
ICTBX 2Y-5L	4.3					8.4	25.7	7.2			
ICTBX 2Y-6		5.2	9.0								
ICTBX 2Y-8	6.4	12.5	32.7	12.0							
ICTBX 5.5Y-4S	4.3	8.4	25.7	7.2	14.0	6.8	2.63~4.6 (NC13A2) 4.6~6.64 (NC13A)	12	1,000	NC 13A2	YELLOW
ICTBX 5.5Y-4		9.0									
ICTBX 5.5Y-5	5.2	10.0	32.7	12.0							
ICTBX 5.5Y-6	6.4	12.5	32.7	12.0							

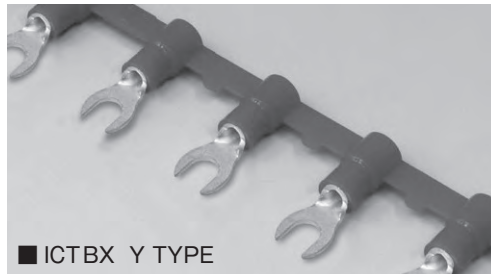
NOTE 1) ○ : UL/CSA

- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

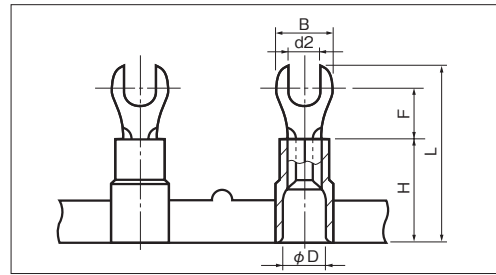


INSULATED CHAIN TERMINALS (Y TYPE)

ICTBX : Polycarbonate



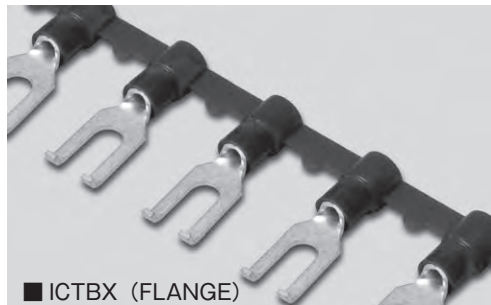
■ ICTBX Y TYPE



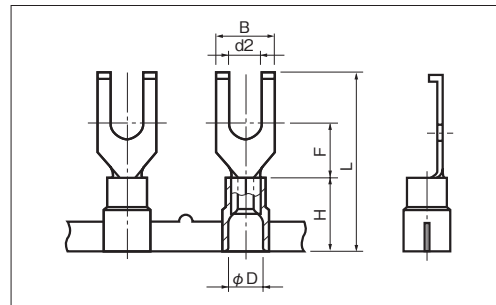
RoHS10

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PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTBX 1.25Y-3S	○	3.2	5.7	17.4	4.8	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED



■ ICTBX (FLANGE)



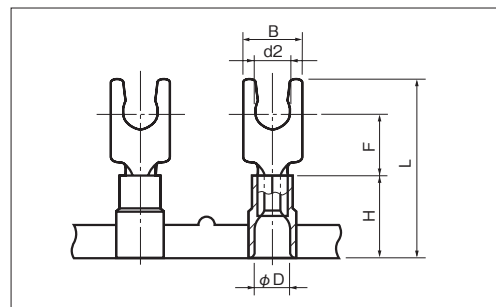
RoHS10

See page 2

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTBX 1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED
ICTBX 1.25Y-4W	○	4.3										
ICTBX 1.25Y-5W	○	5.3										
ICTBX 2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTBX 2Y-4W	○	4.3										
ICTBX 2Y-5W	○	5.3										



■ ICTBX (LOCKING SPADE)



RoHS10

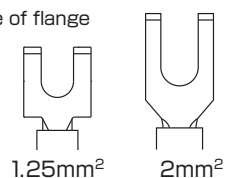
See page 2

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTBX 1.25LY-3S	○	3.2	6.4	19.5	6.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED
ICTBX 1.25LY-3.5S	○	3.7										
ICTBX 1.25LY-4S	○	4.3										
ICTBX 1.25LY-5S	○	5.3	8.4	22.5	8.5	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTBX 2LY-3S	○	3.2										
ICTBX 2LY-3.5S	○	3.7										
ICTBX 2LY-4S	○	4.3	7.1	21.5	7.6	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A	YELLOW
ICTBX 2LY-5S	○	5.3										
ICTBX 5.5LY-3.5S	○	3.7										
ICTBX 5.5LY-4S	○	4.3	7.9	25.7	7.6	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A	YELLOW
ICTBX 5.5LY-5S	○	5.3										

NOTE 1) ○ : UL-CSA

- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

Shape of flange

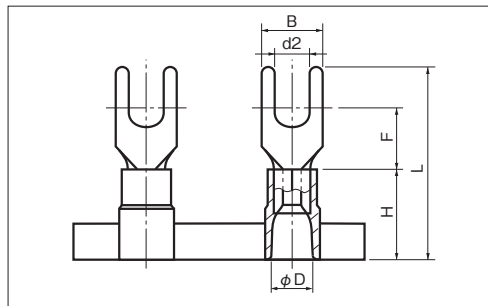
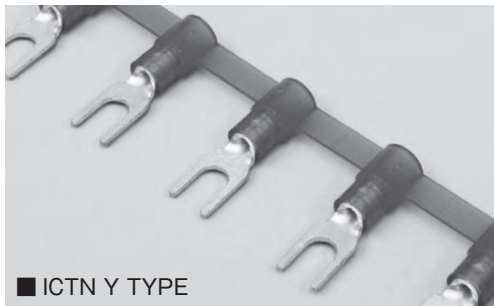


1.25mm²

2mm²



INSULATED CHAIN TERMINALS (Y TYPE) ICTN : Nylon



RoHS 10
See page 2

RoHS 10
Yellow Nylon
See page 2

■ ICTN Y TYPE

Non stock item

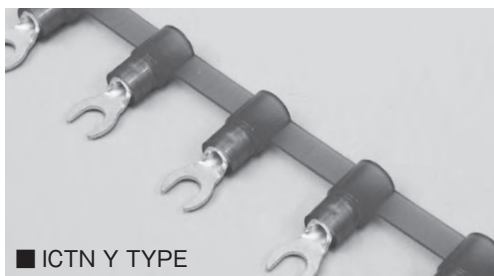
PART NUMBER		DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR								
		φd2	B	L	F	H	φD	STRANDED mm ²				AWG							
ICTN 0.3Y-2	○	2.2	5.2	17.5	4.9	10.0	3.2	0.2~0.5 (0.3~0.5) UL·CSA USE	24-20 (22-20) UL·CSA USE	2,000	NC 10A	YELLOW TRANSLUCENT							
ICTN 0.3Y-3	○	3.2																	
ICTN 0.3Y-3.5N	○	3.7											20.5	5.8					
ICTN 0.3Y-4N	○	4.3													6.6				
ICTN 0.3Y-5	○	5.3											8.0	21.0		7.0			
ICTN 1.25Y-2.5	○	2.7	4.7	17.2	5.1	10.0	4.1	0.3~0.75 (NC11A2)	22-18	1,500	NC 11A2	RED TRANSLUCENT							
ICTN 1.25Y-3K	○	3.2	5.6	20.5	5.8														
ICTN 1.25Y-3	○		5.8										21.5	6.6					
ICTN 1.25Y-3N	○	3.7	5.6	20.5	5.8														
ICTN 1.25Y-3.5K	○		5.8																
ICTN 1.25Y-3.5	○		6.2										21.5	6.8					
ICTN 1.25Y-3L	○	4.3	6.4	21.9	6.6														
ICTN 1.25Y-4N	○		7.0										7.6						
ICTN 1.25Y-4S	○		8.1	22.0	7.5														
ICTN 1.25Y-4M	○	5.3	9.6	23.0	8.3														
ICTN 1.25Y-4L	○		6.4										11.0	24.5	8.6				
ICTN 1.25Y-5	○															6.4			
ICTN 1.25Y-6	○	6.4	11.0	24.5	8.6														
ICTN 2Y-3	○	3.2	5.9	21.3	6.6								10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT
ICTN 2Y-3.5S	○	3.7	5.8																
ICTN 2Y-3.5	○		4.3			6.4	7.6												
ICTN 2Y-3.5L	○	7.0						21.5	7.0										
ICTN 2Y-4N	○									8.0	7.1								
ICTN 2Y-4S	○	5.3	10.0	22.6	8.7														
ICTN 2Y-4	○					8.0	21.5	7.1											
ICTN 2Y-4M	○								10.0										
ICTN 2Y-5	○	5.3	10.0	22.6	8.7														
ICTN 2Y-5M	○					6.4	12.0	23.5	8.5										
ICTN 2Y-5L	○	8.0	21.5	7.1															
ICTN 2Y-6	○				8.0														
ICTN 2Y-6	○	6.4	12.0	24.5	8.6														
ICTN 2Y-8	○	8.4	14.0	27.5	11.5														
ICTN 5.5Y-4S	○	4.3	8.4	25.7	7.2	14.0	6.8	2.63~4.6 (NC13A2) 4.6~6.64 (NC13A)	12	1,000	NC 13A2	YELLOW TRANSLUCENT							
ICTN 5.5Y-4	○												5.3	9.0					
ICTN 5.5Y-5	○														6.4	12.5	32.7	12.0	
ICTN 5.5Y-5	○	9.0	25.7	7.2															
ICTN 5.5Y-6	○				5.3														

NOTE 1) ○ : UL·CSA

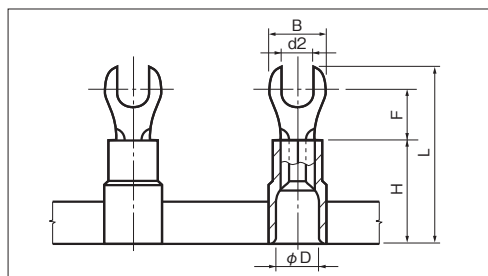
- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)



INSULATED CHAIN TERMINALS (ICT) (Y TYPE) ICTN : Nylon



■ ICTN Y TYPE

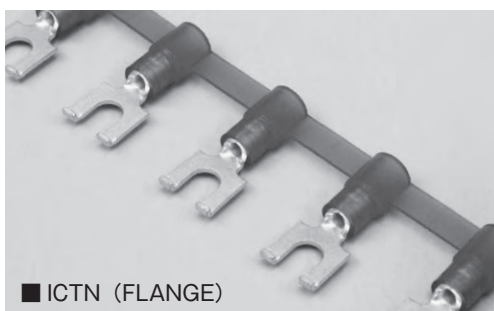


RoHS 10

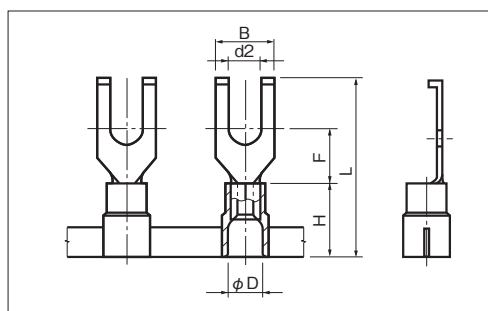
See page 2

Non stock item

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTN 1.25Y-3S	○	3.2	5.7	17.4	4.8	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED TRANSLUCENT



■ ICTN (FLANGE)



RoHS 10

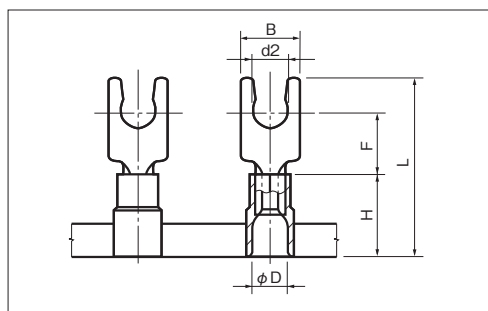
See page 2

Non stock item

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTN 1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED TRANSLUCENT
ICTN 1.25Y-4W	○	4.3										
ICTN 1.25Y-5W	○	5.3										
ICTN 2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT
ICTN 2Y-4W	○	4.3										
ICTN 2Y-5W	○	5.3										



■ ICTN (LOCKING SPADE)



RoHS 10

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RoHS 10

Yellow Nylon
See page 2

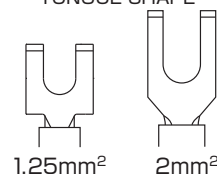
Non stock item

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		d2	B	L	F	H	φD	STRANDED mm ²	AWG			
ICTN 1.25LY-3S	○	3.2	6.4	19.5	6.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED TRANSLUCENT
ICTN 1.25LY-3.5S	○	3.7										
ICTN 1.25LY-4S	○	4.3										
ICTN 1.25LY-5S	○	5.3	8.4	22.5	8.5							
ICTN 2LY-3S	○	3.2	6.4	19.5	6.6	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT
ICTN 2LY-3.5S	○	3.7										
ICTN 2LY-4S	○	4.3										
ICTN 2LY-5S	○	5.3	8.4	22.5	8.5							
ICTN 5.5LY-3.5S	○	3.7	7.9	25.7	7.6	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A	YELLOW TRANSLUCENT
ICTN 5.5LY-4S	○	4.3										
ICTN 5.5LY-5S	○	5.3										

NOTE 1) ○ : UL-CSA

- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

TONGUE SHAPE



1.25mm²

2mm²

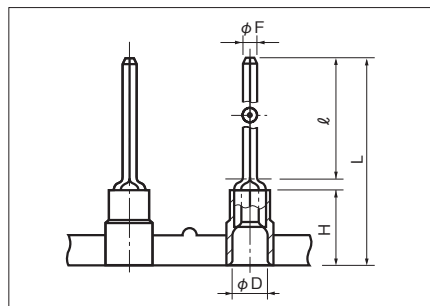


INSULATED CHAIN TERMINALS (TC TYPE)

ICTBX : Polycarbonate



■ ICTBX TC TYPE



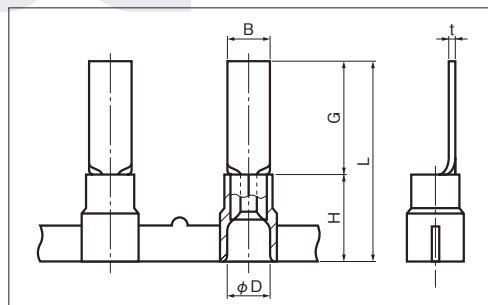
RoHS10

See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	ϕF	l	L	H	ϕD	STRANDED mm ²	AWG			
ICTBX TC-0.3-9.5	1.0	9.5	20.8	10.0	3.2	0.2~0.5	24-20	2,000	NC 10AX	YELLOW
ICTBX TC-1.25-11	1.9	11.0	23.0	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED
ICTBX TC-1.25-11S	1.5									
ICTBX TC-1.25-16	1.9									
ICTBX TC-1.25-16S	1.5									
ICTBX TC-1.25-20	1.9									
ICTBX TC-1.25-20S	1.5									
ICTBX TC-2-11	1.9	11.0	23.0	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTBX TC-2-11S	1.5									
ICTBX TC-2-16	1.9									
ICTBX TC-2-16S	1.5									
ICTBX TC-2-20	1.9									
ICTBX TC-2-20S	1.5									
ICTBX TC-5.5-11	2.7	11.0	28.5	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A	YELLOW



■ ICTBX BT TYPE



RoHS10

See page 2

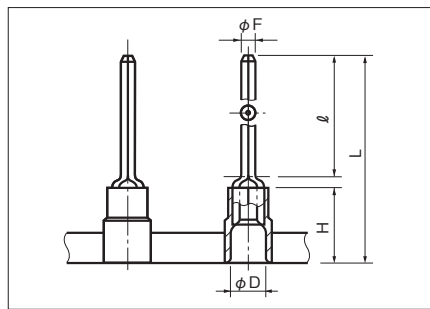
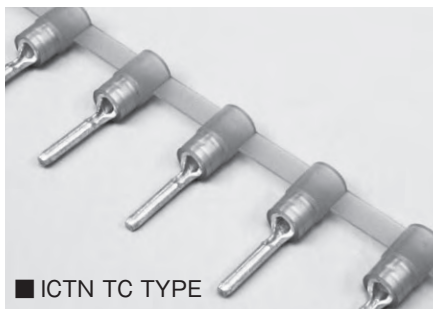
PART NUMBER	DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR	
	B	t	L	G	H	ϕD	STRANDED mm ²				AWG
ICTBX BT-1.25-9-1	2.2	0.75	19.0	9.0	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED
ICTBX BT-1.25-9	2.8		19.1	9.1							
ICTBX BT-1.25-10-1	2.2		20.5	10.5							
ICTBX BT-1.25-10	3.4		20.3	10.3							
ICTBX BT-1.25-11	3.0		21.2	11.2							
ICTBX BT-1.25-14	3.0		24.6	14.6							
ICTBX BT-1.25-18	2.2	28.5	18.5	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE	
ICTBX BT-2-9-1	2.2	19.0	9.0								
ICTBX BT-2-9	2.8	19.1	9.1								
ICTBX BT-2-13	4.6	23.0	13.0								
ICTBX BT-2-18	2.2	28.5	18.5								
ICTBX BT-5.5-10	2.8	0.95	24.0								10.0
ICTBX BT-5.5-13	4.5		27.0	13.0							
ICTBX BT-5.5-18	4.5		32.0	18.0							

Note 1) ○ : UL·CSA △ : UL

- 2) Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire.
- 3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)



INSULATED CHAIN TERMINALS (TC TYPE) (BT TYPE) ICTN : Nylon



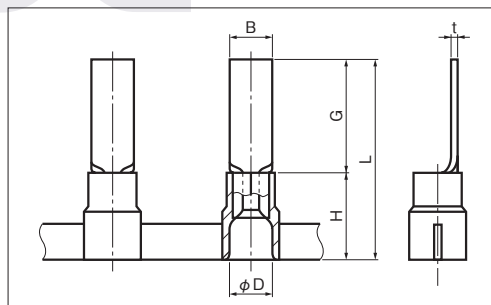
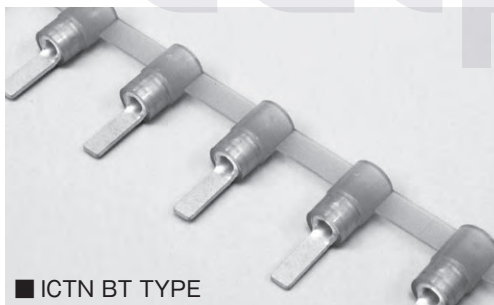
RoHS 10
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RoHS 10
Yellow Nylon
See page 2

■ ICTN TC TYPE

Non stock item

PART NUMBER		DIMENSIONS mm				WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR	
		φF	l	L	H	φD	STRANDED mm ²				AWG
ICTN TC-0.3-9.5	○	1.0	9.5	20.8	10.0	3.2	0.2~0.5 (0.3~0.5) UL·CSA USE	24-20 (22-20) UL·CSA USE	2,000	NC 10A	YELLOW TRANSLUCENT
ICTN TC-1.25-11	○	1.9	11.0	23.0	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED TRANSLUCENT
ICTN TC-1.25-11S	○	1.5									
ICTN TC-1.25-16	○	1.9									
ICTN TC-1.25-16S	○	1.5									
ICTN TC-1.25-20	○	1.9									
ICTN TC-1.25-20S	○	1.5									
ICTN TC-2-11	○	1.9	11.0	23.0	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT
ICTN TC-2-11S	○	1.5									
ICTN TC-2-16	○	1.9									
ICTN TC-2-16S	○	1.5									
ICTN TC-2-20	○	1.9									
ICTN TC-2-20S	○	1.5									
ICTN TC-5.5-11	○	2.7	11.0	28.5	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A	YELLOW TRANSLUCENT



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RoHS 10
Yellow Nylon
See page 2

■ ICTN BT TYPE

Non stock item

PART NUMBER	DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR	
	B	t	L	G	H	φD	STRANDED mm ²				AWG
ICTN BT-1.25-9-1	2.2	0.75	19.0	9.0	10.0	4.1	0.3~0.75	22-18	1,500	NC 11A2 NC 11A	RED TRANSLUCENT
ICTN BT-1.25-9	2.8		19.1	9.1							
ICTN BT-1.25-10-1	2.2		20.5	10.5							
ICTN BT-1.25-10	3.4		20.3	10.3							
ICTN BT-1.25-11	3.0		21.2	11.2							
ICTN BT-1.25-14			24.6	14.6							
ICTN BT-1.25-18	2.2	28.5	18.5	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A	BLUE TRANSLUCENT	
ICTN BT-2-9-1	2.2	19.0	9.0								
ICTN BT-2-9	2.8	19.1	9.1								
ICTN BT-2-13	4.6	23.0	13.0								
ICTN BT-2-18	2.2	28.5	18.5								
ICTN BT-5.5-10	2.8	0.95	24.0								10.0
ICTN BT-5.5-13	4.5		27.0	13.0							
ICTN BT-5.5-18			32.0	18.0							

Nylon (ICTNBT) is not UL/CSA

Note 1) ○ : UL·CSA △ : UL

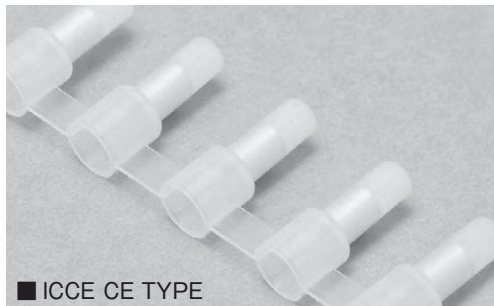
- Refer to page 104 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)



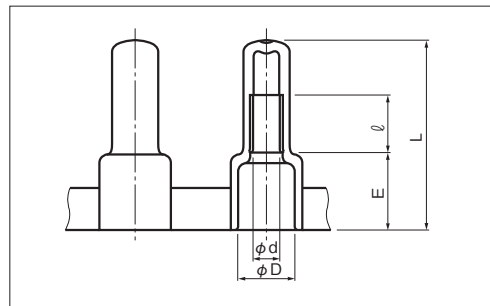


INSULATED CHAIN TERMINALS (CE TYPE) (B TYPE)

JIS C 2807



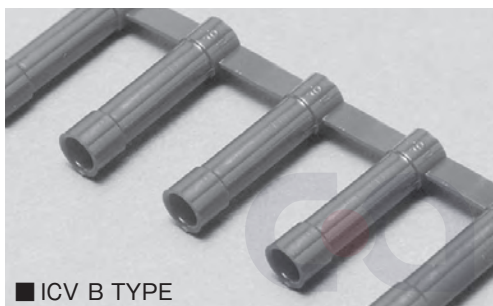
■ ICCE CE TYPE



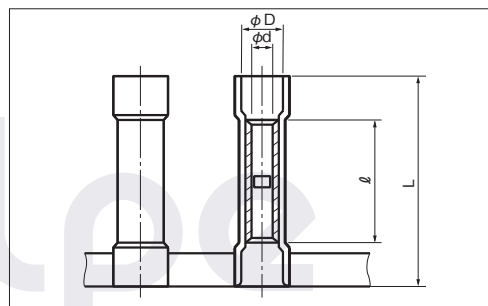
RoHS 10

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PART NUMBER		DIMENSIONS mm					WIRE RANGE		QTY/REEL	INSULATOR	APPLICATOR	STD COLOR
		ϕd	ϕD	L	ℓ	E	STRANDED mm ²	AWG				
IC CE-1	●	2.4	6.7	21.0	6.2	8.8	0.5~1.75	22-16	1,000	NYLON	NC 14A	MILKY WHITE
IC CE-2	●	3.1	7.8	22.0	6.9	9.6	1.0~3.0	16-14	1,000		NC 15A	
IC CE-5	●	3.9	9.3	28.0	7.2	10.8	2.5~6.0	12-10	600		NC 16A	



■ ICV B TYPE



RoHS 10

See page 2

ICV : Vinyl

PART NUMBER		DIMENSIONS mm				WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
		ϕd	ϕD	ℓ	L	STRANDED mm ²	AWG			
ICV B-1.25	△	1.8	3.8	15.0	25.5	0.3~1.65	22-16	1,500	NC 11H	RED
ICV B-2	△	2.3	4.5	15.0	25.5	1.04~2.63	16-14	1,500	NC 12H	BLUE
ICV B-5.5	△	3.4	6.4	15.0	27.5	2.63~6.64	12-10	1,000	NC 13H	YELLOW

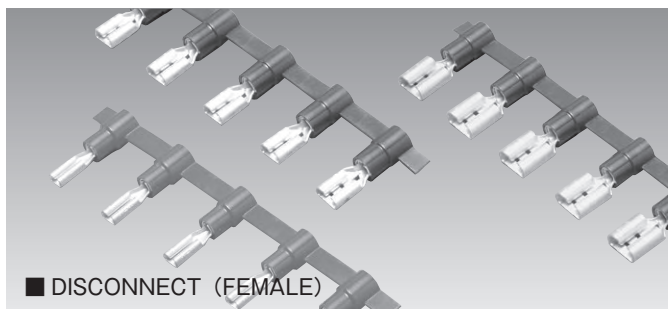
Only vinyl insulation is available

NOTE 1) ● : JIS·UL·CSA ○ : UL·CSA △ : UL

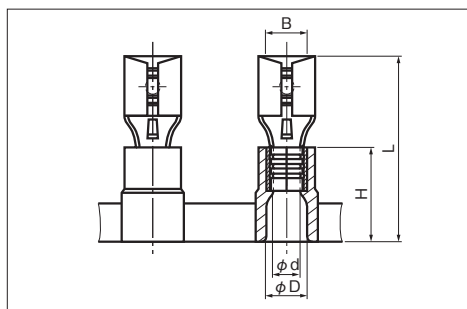
2) Refer to page 104 for UL/CSA and Nylon products.



INSULATED CHAIN TERMINALS (DISCONNECTS) ICTDV : Vinyl



■ DISCONNECT (FEMALE)



RoHS 10

See page 2

ICTDV : Vinyl

■ FEMALE DISCONNECT .110 SERIES

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	L	φd	φD	H		STRANDED mm ²	AWG			
ICTDV 280509-F ○	3.2	19.5	1.8	4.1	10.0	0.5	0.3~0.75	22-18	1,500	NC 11A2 NC 11A	RED
ICTDV 280809-F ○						0.8	0.5~1.65	20-16			

■ FEMALE DISCONNECT .187 SERIES

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	L	φd	φD	H		STRANDED mm ²	AWG			
ICTDV 480509-F ○	5.0	19.5	1.8	4.1	10.0	0.5	0.3~0.75	22-18	1,500	NC 11A2 NC 11A	RED
ICTDV 480809-F ○						0.8	0.5~1.65	20-16			
ICTDV 480520-F ○	5.0	19.5	2.4	4.5	10.0	0.5	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTDV 480820-F ○						0.8					

■ FEMALE DISCONNECT .250 SERIES

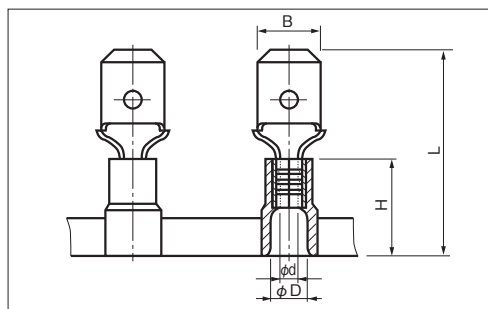
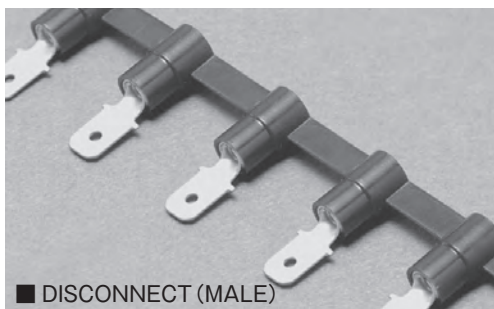
PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	L	φd	φD	H		STRANDED mm ²	AWG			
ICTDV 630809-F ○	6.8	21.0	1.7	4.1	10.0	0.8	0.3~0.75	22-18	1,500	NC 11A2 NC 11A	RED
ICTDV 630820-F ○							0.5~1.65	20-16			
ICTDV 630820-F ○	6.8	21.0	2.3	4.5	10.0	0.8	1.04~2.63	16-14	1,500	NC 12A	BLUE
ICTDV 630855-F ○											
ICTDV 630855-F ○	6.8	25.0	3.5	6.8	14.0	0.8	4.6~6.64	10	1,000	NC 13A2 NC 13A	YELLOW

NOTE 1) ○ : UL·CSA

- 2) Refer to page 104 for UL/GSA and proper strip length of wire.
- 3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

E

INSULATED CHAIN TERMINALS (DISCONNECTS) ICTDV : Vinyl



RoHS10

See page 2

■ MALE DISCONNECT .187 SERIES

PART NUMBER	DIMENSIONS mm					TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	L	ϕd	ϕD	H		STRANDED mm ²	AWG			
ICTDV 480520-M ○	4.8	19.5	2.3	4.5	10.0	0.5	1.04~2.63	16-14	1,500	NC 12A	BLUE

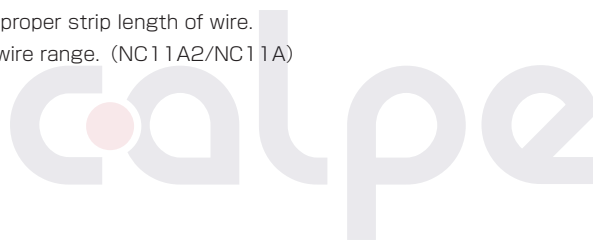
■ MALE DISCONNECT .250 SERIES

PART NUMBER	DIMENSIONS mm					TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	L	ϕd	ϕD	H		STRANDED mm ²	AWG			
ICTDV 630809-M ○	6.35	21.0	1.85	4.1	10.0	0.8	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A	RED
ICTDV 630820-M ○	6.35	21.0	2.55	4.5	10.0	0.8	1.04~2.63	16-14	1,500	NC 12A	BLUE

NOTE 1) ○ : UL-CSA

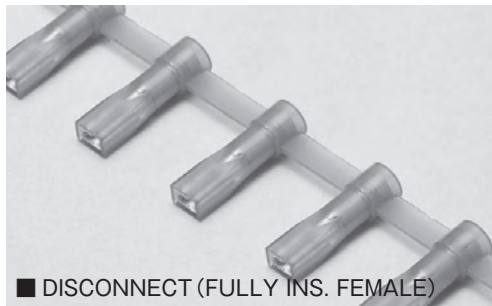
2) Refer to page 104 for UL/CSA, proper strip length of wire.

3) Applicator shall be selected by wire range. (NC11A2/NC11A)

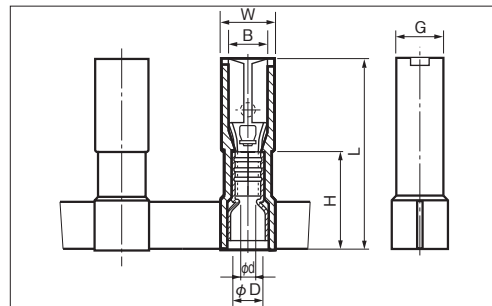


INSULATED CHAIN TERMINALS (DISCONNECTS)

ICTDEN : Nylon
ICTDN



■ DISCONNECT (FULLY INS. FEMALE)

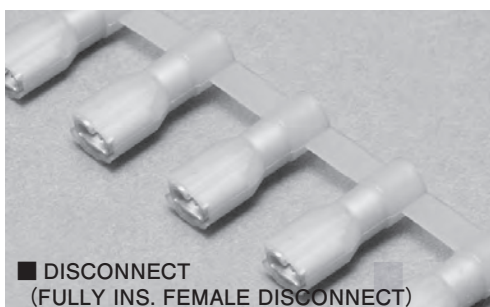


RoHS10

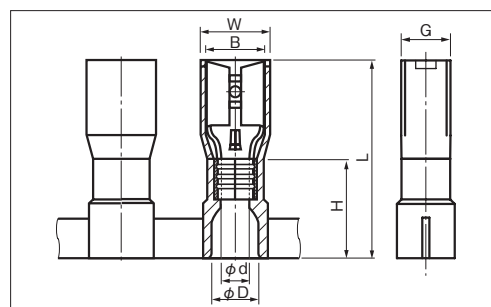
See page 2

■ FULLY INS. FEMALE DISCONNECT .110 SERIES

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	W	L	ϕd	ϕD	H	G		STRANDED mm ²	AWG			
ICTDEN 280509-FA ○	3.2	5.5	19.5	1.9	3.4	10.0	4.8	0.5	0.3 1.25	22-16	1,500	NC 11JN	RED TRANSLUCENT
ICTDEN 280809-FA ○								0.8					



■ DISCONNECT (FULLY INS. FEMALE DISCONNECT)



RoHS10

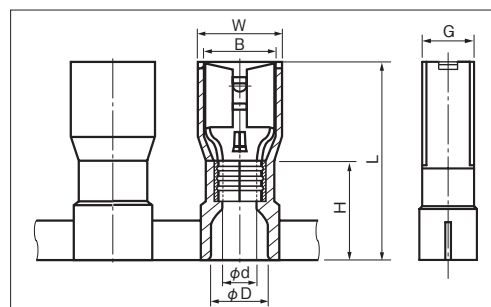
See page 2

■ FULLY INS. FEMALE DISCONNECT .187 SERIES

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	STD COLOR
	B	W	L	ϕd	ϕD	H	G		STRANDED mm ²	AWG			
ICTDN 480509-FA ○	5.0	7.2	19.5	1.8	4.1	9.8	4.85	0.5	0.3 1.25	22-16	1,500	NC 11EN	RED TRANSLUCENT
ICTDN 480809-FA ○								0.8					
ICTDN 480520-FA ○	5.0	7.2	19.5	2.4	4.5	9.8	5.6	0.5	1.04 2.63	16-14	1,500	NC 12EN	BLUE TRANSLUCENT
ICTDN 480820-FA ○								0.8					



■ DISCONNECT (FULLY INS. FEMALE DISCONNECT)



RoHS10

See page 2

■ FULLY INS. FEMALE DISCONNECT .250 SERIES

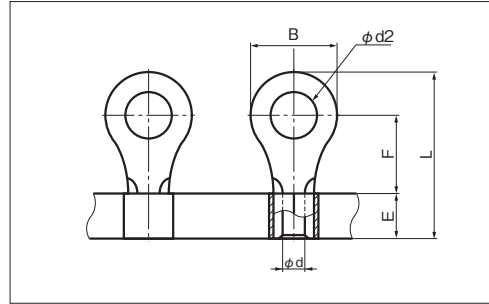
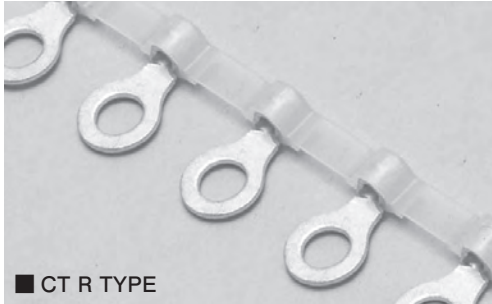
PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR	SYD COLOR
	B	W	L	ϕd	ϕD	H	G		STRANDED mm ²	AWG			
ICTDN 630809-FA ○	6.8	8.9	21.0	1.8	4.1	9.7	5.5	0.8	0.3~1.25	22-16	1,000	NC 11FN	RED TRANSLUCENT
ICTDN 630820-FA ○				2.4	4.5				1.04~2.63				

NOTE 1) ○ : UL-CSA

2) Refer to page 104 for UL/CSA, proper strip length of wire and Nylon insulated products.



NON-INSULATED CHAIN TERMINALS (R TYPE)



RoHS 10
See page 2

■ CT R TYPE

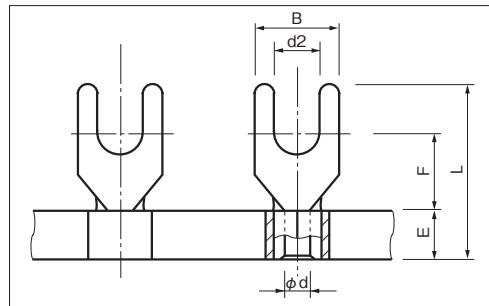
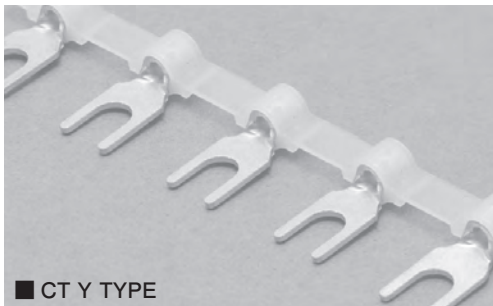
PART NUMBER	DIMENSIONS mm					WIRE RANGE			QTY/REEL	APPLICATOR		
	φ d2	B	L	F	E	φ d	SOLID mm	STRANDED mm ²			AWG	
CT 1.25-3 ○	3.2	5.5	12.0	4.7	4.5	1.7	0.57 1.44	0.25 1.65	22-16	1,500	NC 1A	
1.25-3S ○		5.7	11.9	4.5								
1.25-3.5N ○	3.7	5.6	14.9	7.6								
1.25-3.5S ○		5.7	11.9	4.5								
1.25-3.5 ○		6.6	13.3	5.5								
1.25-3.5M ○	4.3	6.8	13.9	6.0								
1.25-4M ○		8.0	15.6	7.1								
1.25-4 ○	5.3	8.0	15.6	7.1								
1.25-5 ○	6.4	12.0	20.2	9.7								
1.25-6 ○	8.4	12.0	20.2	9.7								
1.25-8 ○	8.4	12.0	20.2	9.7								
CT 2-3N ○	3.2	5.6	14.9	7.6	4.5	2.3	1.14 1.82	1.04 2.63	16-14	1,500	NC 2A	
2-3S ○		5.7	12.3	4.9								
2-3 ○	6.5	12.7	4.9									
2-3.5N ○	3.7	5.6	14.9	7.6								
2-3.5NS ○		6.5	12.7	4.9								
2-3.5 ○		6.6	14.4	6.6								
2-3.5S ○	4.3	6.6	15.4	7.6								
2-4S ○		6.6	14.4	6.6								
2-4 ○	8.5	16.5	7.7									
2-5M ○	5.3	8.0	16.0	7.5								
2-5 ○	9.5	17.0	7.7									
2-6 ○	6.4	12.0	21.5	11.0								
2-8 ○	8.4	12.0	21.5	11.0								
2-10 ○	10.5	15.0	24.5	12.5								
CT 5.5-3N ○	3.2	7.0	17.2	7.2	6.5	3.4	1.82 2.89	2.63 6.64	12-10	1,000	NC 3A	
5.5-3S ○		9.0	18.2									
5.5-3.5N ○	3.7	7.0	17.2									
5.5-4N ○	4.3	7.0	17.2									
5.5-4S ○		9.0	18.2									
5.5-4 ○		9.5	19.5									8.2
5.5-5N ○	5.3	8.0	17.7									
5.5-5S ○		9.0	18.2									
5.5-5 ○	9.5	19.5	8.2									
5.5-6 ○	6.4	12.0	23.0									10.5
5.5-8 ○	8.4	15.0	28.0									14.0
5.5-10 ○	10.5	15.0	28.0	14.0								

NOTE 1) ○ : UL-CSA

2) Refer to page 104 for UL/CSA and proper strip length of wire.



NON-INSULATED CHAIN TERMINALS (Y TYPE)

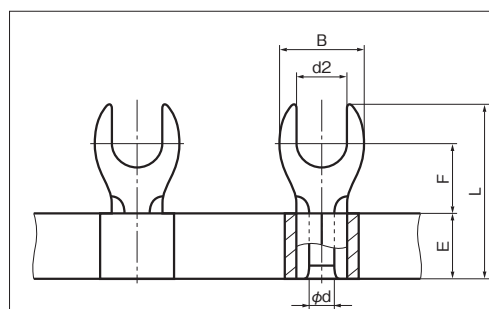
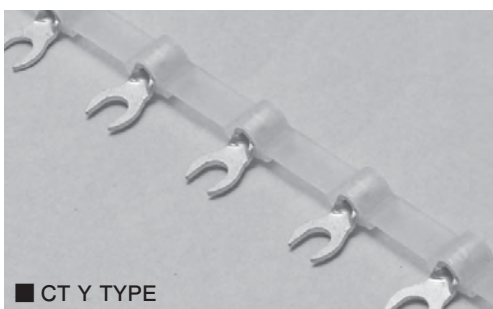


RoHS10

See page 2

■ CT Y TYPE

PART NUMBER	DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR							
	d2	B	L	F	E	φd	SOLID mm	STRANDED mm ²	AWG									
CT 1.25Y-2.5 ○	2.7	4.7	11.7	5.1	4.5	1.7	0.57 } 1.44	0.25 } 1.65	22-16	1,500	NC 1A							
1.25Y-3K ○	3.2	5.6	15.0	5.8														
1.25Y-3		5.8	16.0	6.6														
1.25Y-3N ○	3.7	5.6	15.0	5.8														
1.25Y-3.5K ○		5.8	16.0	6.6														
1.25Y-3.5	4.3	6.2	16.0	6.8														
1.25Y-3L ○		6.4	16.4	7.6														
1.25Y-4N ○	5.3	7.0	16.4	7.6														
1.25Y-4S ○		8.1	17.5	8.3														
1.25Y-4M ○	6.4	9.6	17.5	8.3														
1.25Y-4L ○		11.0	20.0	8.6														
1.25Y-5 ○	3.2	5.9	15.8	6.6								4.5	2.3	1.14 } 1.82	1.04 } 2.63	16-14	1,500	NC 2A
2Y-3 ○		5.8		6.6														
2Y-3.5S		3.7	6.4	7.6														
2Y-3.5 ○			6.4	6.6														
2Y-3.5L ○		4.3	7.0	16.0	7.0													
2Y-4N ○			8.0	17.1	8.7													
CT 2Y-4S ○		5.3	8.0	16.0	7.1													
2Y-4 ○			10.0	17.1	8.7													
2Y-4M ○		6.4	8.0	16.0	7.1													
2Y-5 ○			10.0	17.1	8.7													
2Y-5M ○		5.3	12.0	18.0	8.5													
2Y-5L ○			19.0	19.0	8.6													
2Y-6 ○		4.3	8.4	18.2	7.2	6.5	3.4	1.82 } 2.89	2.63 } 6.64	12-10	1,000							
CT 5.5Y-4S ○	9.0		7.2															
5.5Y-4 ○	5.2		12.5	25.2	12.0													
5.5Y-5 ○	6.4		12.5	25.2	12.0													
5.5Y-6 ○			12.5	25.2	12.0													



RoHS10

See page 2

■ CT Y TYPE

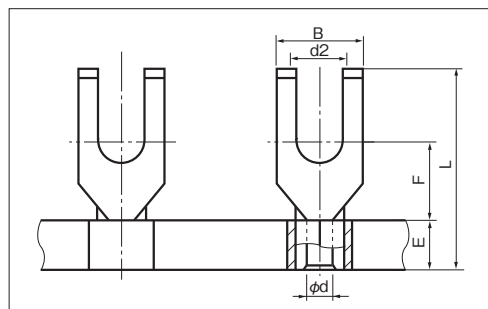
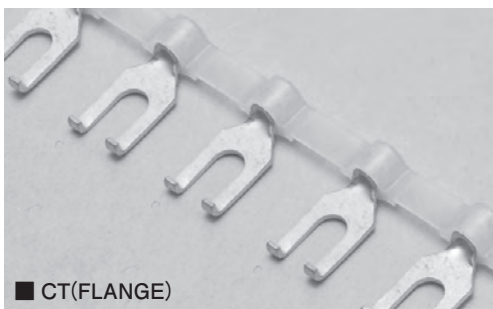
PART NUMBER	DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR
	d2	B	L	F	E	φd	SOLID mm	STRANDED mm ²	AWG		
CT 1.25Y-3S ○	3.2	5.7	11.9	4.8	4.5	1.7	0.57 } 1.44	0.25 } 1.65	22-16	1,500	NC 1A

NOTE 1) ○ : UL-CSA

2) Refer to page 104 for UL/CSA and proper strip length of wire.



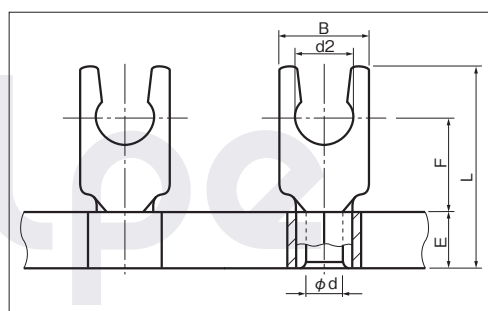
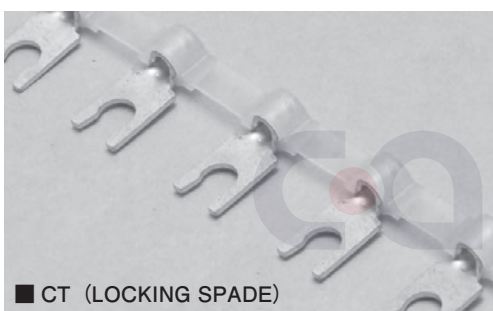
NON-INSULATED CHAIN TERMINALS (Y TYPE)



RoHS 10

See page 2

PART NUMBER		DIMENSIONS mm					ϕd	WIRE RANGE			QTY/REEL	APPLICATOR
		d2	B	L	F	E		SOLID mm	STRANDED mm ²	AWG		
CT 1.25Y-3W	○	3.7	7.7	14.0	5.6	4.5	1.7	0.57	0.25	22-16	1,500	NC 1AW
	○	4.3						1.44	1.65			
	○	5.3						1.14	1.04			
CT 2Y-3W	○	3.7	8.0	18.5	4.3	4.5	2.3	1.14	1.04	16-14	1,500	NC 2AW
	○	4.3						1.82	2.63			
	○	5.3						1.82	2.63			



RoHS 10

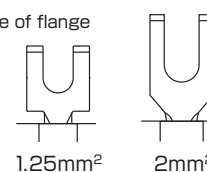
See page 2

PART NUMBER		DIMENSIONS mm					ϕd	WIRE RANGE			QTY/REEL	APPLICATOR
		d2	B	L	F	E		SOLID mm	STRANDED mm ²	AWG		
CT 1.25LY-3S	○	3.2	6.4	14.0	6.6	4.5	1.7	0.57	0.25	22-16	1,500	NC 1A
	○	3.7						1.44	1.65			
	○	4.3						1.14	1.04			
	○	5.3						1.82	2.63			
CT 2LY-3S	○	3.2	6.4	14.0	6.6	4.5	2.3	1.14	1.04	16-14	1,500	NC 2A
	○	3.7						1.82	2.63			
	○	4.3						1.82	2.63			
	○	5.3						1.82	2.63			
CT 5.5LY-3.5S	○	3.7	7.9	18.2	7.6	6.5	3.4	1.82	2.63	12-10	1,000	NC 3A
	○	4.3						2.89	6.64			
	○	5.3						2.89	6.64			

NOTE

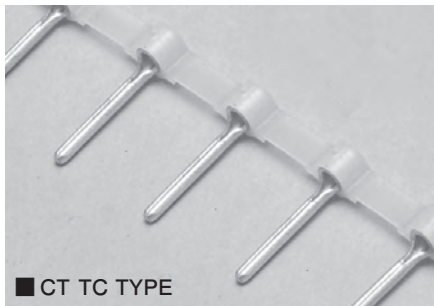
- : UL·CSA
- Refer to page 104 for UL/CSA and proper strip length of wire.

Shape of flange

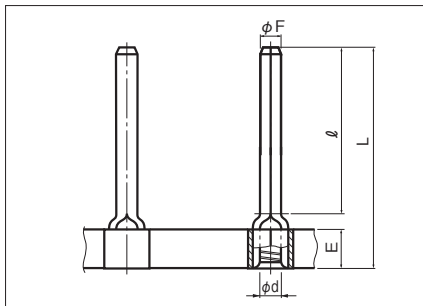




NON-INSULATED CHAIN TERMINALS (TC TYPE) (BT TYPE)



■ CT TC TYPE



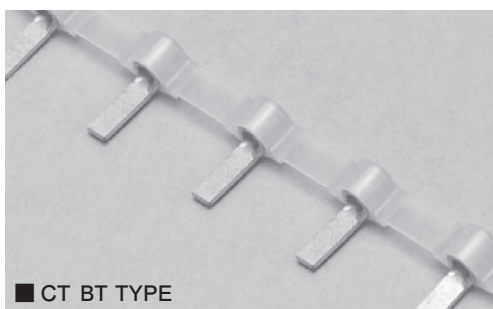
RoHS10

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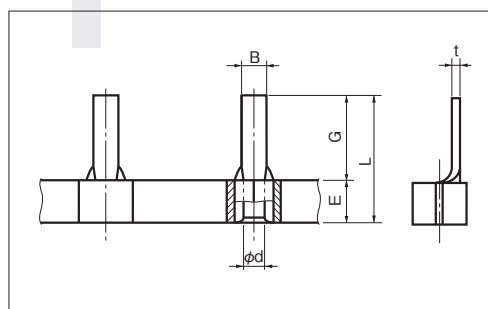
PART NUMBER	DIMENSIONS mm					WIRE RANGE				QTY/REEL	APPLICATOR
	φF	l	L	E	φd	SOLID mm	STRANDEDmm ²	AWG			
CT TC-1.25-11 ○	1.9	11.0	17.5	4.5	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	1,500	NC 1AC	
CT TC-1.25-11S ○	1.5										
CT TC-1.25-16 ○	1.9										
CT TC-1.25-16S ○	1.5										
CT TC-1.25-20 ○	1.9										
CT TC-1.25-20S ○	1.5										
CT TC-2-11 ○	1.9	11.0	17.5	4.5	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	1,500	NC 2AC	
CT TC-2-11S ○	1.5										
CT TC-2-16 ○	1.9										
CT TC-2-16S ○	1.5										
CT TC-2-20 ○	1.9										
CT TC-2-20S ○	1.5										
CT TC-5.5-11 ○	2.7	11.0	21.0	6.5	6.5	1.82-2.89	2.63-6.64	12-10	1,000	NC 3AC	



E



■ CT BT TYPE



RoHS10

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PART NUMBER	DIMENSIONS mm					WIRE RANGE				QTY/REEL	APPLICATOR
	B	t	L	G	E	φd	SOLID mm	STRANDED mm ²	AWG		
BT-1.25-9-1	2.2	0.75	13.5	9.0	4.5	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	1,500	NC 1A
BT-1.25-9 ○	2.8		13.6	9.1							
BT-1.25-10-1 ○	2.2		15.0	10.5							
CT BT-1.25-10 ○	3.4		14.8	10.3							
BT-1.25-11 ○	3.0		15.7	11.2							
BT-1.25-14 ○			19.1	14.6							
BT-1.25-18	2.2		23.0	18.5							
BT-2-9-1	2.2	0.85	13.5	9.0	4.5	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	1,500	NC 2A
CT BT-2-9 ○	2.8		13.6	9.1							
BT-2-18	2.2		23.0	18.5							
BT-5.5-10 ○	2.8	0.95	16.5	10.0	6.5	3.4	1.82 ∩ 2.89	2.63 ∩ 6.64	12-10	1,000	NC 3A
CT BT-5.5-13 ○	4.5		19.5	13.0							
BT-5.5-18			24.5	18.0							

NOTE

- : UL·CSA
- Refer to page 104 for UL/CSA and proper strip length of wire.



STRIPPED CHAIN TERMINALS

Nichifu's open barrel chain style terminals are useful for crimping in larger quantities. Ring (insulation grip, single grip), disconnect and bullet are available.

SPECIFICATION

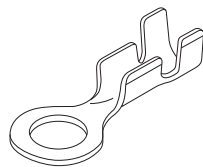
■ MATERIAL BRASS
(Electro-Tin-Plating)

NOTE

Do not use under ammonia atmosphere.

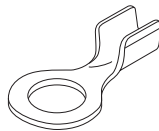
■ FEATURES

RING(W/INS. GRIP)
TYPE A



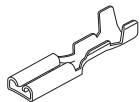
The open barrel Ring type is known as most basic of all the terminals. This terminal is very cost efficient. With the insulation grip, the open barrel ring type has resistance to vibration and high tensile strength for crimping lead wire.

RING (SINGLE GRIP)
TYPE N

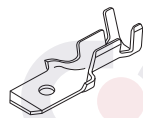


Used in devices with minimal amount of vibration and lower tensile strength.

DISCONNECT
W/INS. GRIP
FEMALE

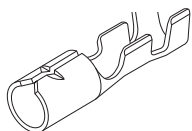


DISCONNECT
W/INS. GRIP
MALE

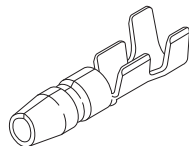


The open barrel female disconnect fits precisely into the corresponding male tab terminal. The available width is .187, and .250, and the standard thickness of male disconnect tab is 0.5mm and 0.8mm.

RECEPTACLE



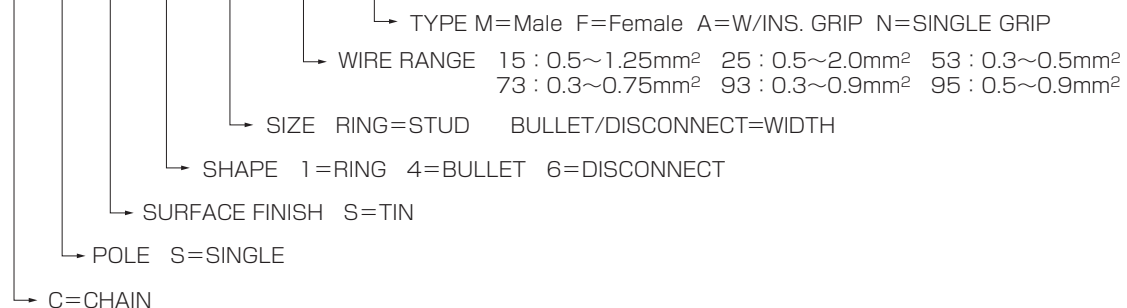
BULLET



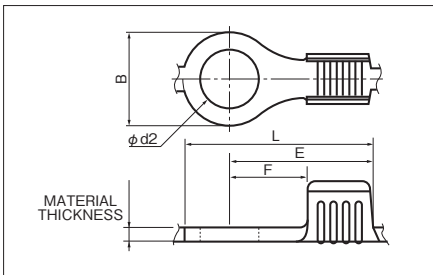
Mostly common for automobile wiring.

■ STRUCTURE OF OUR PART NUMBER

C S S 6 63 25 M



STRIPPED CHAIN TERMINALS



RoHS10

See page 2

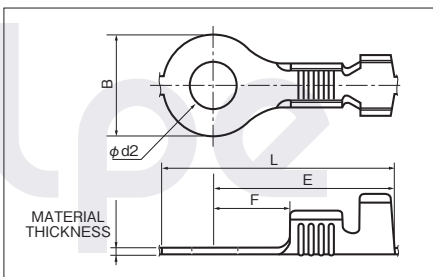
Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	$\phi d2$	B	L	F	E	MATERIAL THICKNESS		mm ²	AWG			
CSS 13273-N	3.2	4.6	9.8	4.1	7.5	0.4	TIN	0.3~0.75	22-18	BRASS	MB 52	25,000
CSS 13715-N	3.7	6.0		3.8	6.8			0.5~1.25	20-16		MB 55	20,000
CSS 13225-N	3.2	6.0	12.2	5.0	9.2	0.5		0.5~2.0	20-14		MB 51	10,000
CSS 13225-N2	3.7	6.5	13.3	6.75	10.0						MB 54	
CSS 13725-N	3.7	6.0	12.2	5.0	9.2	MB 51						
CSS 13725-N2	3.7	6.5	13.3	6.75	10.0	MB 54	10,000					
CSS 14325-N2	4.3	6.5	13.3	6.75	10.0	0.5~2.0	20-14	MB 54	10,000			

NOTE

1) ○ : UL·CSA

■ RING (W/INSULATION GRIP)



RoHS10

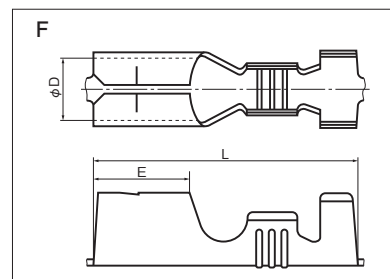
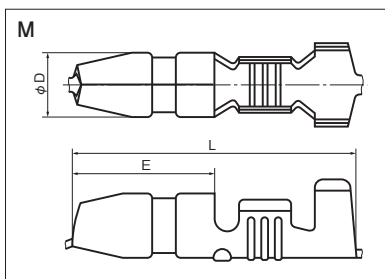
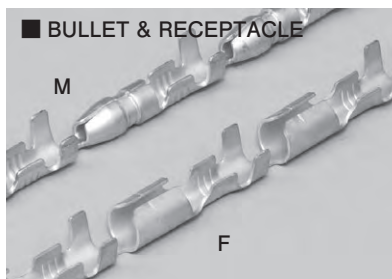
See page 2

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	$\phi d2$	B	L	F	E	MATERIAL THICKNESS		mm ²	AWG			
CSS 14325-A	4.3	8.0	18.7	6.3	14.7	0.5	TIN	0.5~2.0	20-14	BRASS	MB 01	5,000
CSS 15325-A	5.3											

NOTE

1) ○ : UL·CSA

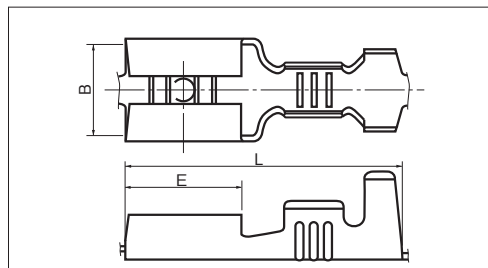
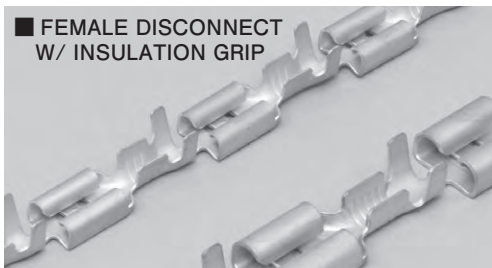


RoHS10

See page 2

PART NUMBER	DIMENSIONS mm				FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	ϕD	E	L	MATERIAL THICKNESS		mm ²	AWG			
CSS 43925-M	4.0	8.7	17.5	0.5	TIN	0.5~2.0	20-14	BRASS	GB 01	5,000
CSS 43925-F	3.9	6.4		0.4						

STRIPPED CHAIN TERMINALS



RoHS10
See page 2

187 SERIES FEMALE, SINGLE POLE

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG			
CSS 64815-F	5.0	6.4	15.3	0.3	0.5	TIN	0.5~1.25	20-16	BRASS	FB 54	10,000

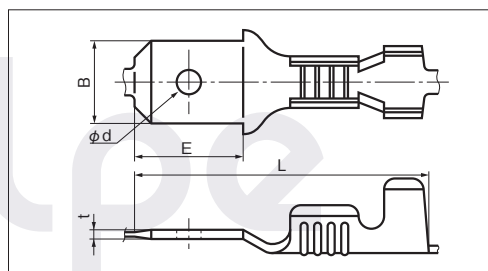
250 SERIES FEMALE, SINGLE POLE

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG			
CSS 66325-F ○	6.8	7.8	19.0	0.45	0.8	TIN	0.5~2.0	20-14	BRASS	FB 51A	5,000

NOTE

1) ○ : UL·CSA



RoHS10
See page 2

250 SERIES MALE, SINGLE POLE

Inquire for minimum quantity.

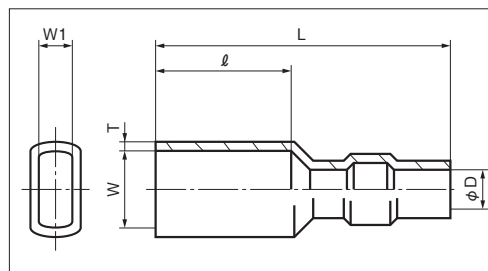
PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	APPLICATOR	QTY/REEL
	B	E	L	φd	t	MATERIAL THICKNESS		mm ²	AWG			
CSS 66325-M ○	6.3	7.8	19.2	2.0	0.8	—	TIN	0.5~2.0	20-14	BRASS	FB 01	5,000

NOTE

1) ○ : UL·CSA



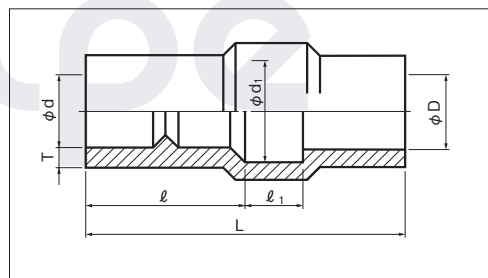
INSULATION CAP FOR FEMALE DISCONNECTS



RoHS10
See page 2

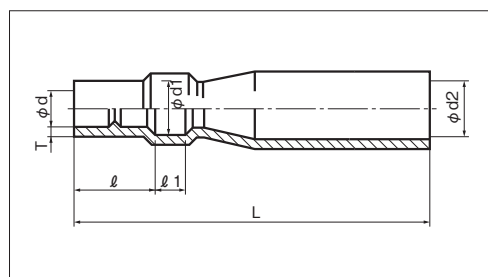
PART NUMBER	DIMENSIONS mm						WIRE RANGE (mm ²)	STD QTY/BAG	
	φ D	W	W1	L	l	T			
110SERIES	62818-F	1.8	4.0	1.8	22.0	9.5	0.7	0.3	1,000
	62826-F	2.5						0.5, 0.9	1,000
	62832-F	3.0						1.25, 2	1,000
187SERIES	64820-F	2.0	6.0	2.5	24.0	11.5	0.7	0.3	1,000
	64826-F	2.5						0.5, 0.9	1,000
	64832-F	3.0						1.25, 2	1,000
	64835-F	3.5						2	1,000
250SERIES	64840-F	4.0	8.0	3.5	26.0	11.5	0.8	3.5	1,000
	66326-F	2.5						0.5, 0.9	1,000
	66332-F	3.2						1.25, 2	1,000
	66335-F	3.5						3.5	1,000
	66340-F	4.0						3.5	1,000
	66345-F	4.5						5.5	1,000
	66350-F	5.0	8	1,000					

INSULATION CAPS FOR BULLETS/RECEPTACLES



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm							WIRE SIZE (mm ²)	STD QTY/BAG
	φ d	φ d1	φ D	l	l 1	L	T		
43926-M	2.5	4.5	3.2	7.0	2.5	14.0	0.7	0.5	1,000
43932-M	3.2							1.25	
43935-M	3.5							2.0	



RoHS10
See page 2

PART NUMBER	DIMENSIONS mm							WIRE SIZE (mm ²)	STD QTY/BAG
	φ d	φ d1	φ d2	l	l 1	L	T		
43926-F	2.5	4.5	5.0	7.0	2.5	34.0	0.8	0.5	1,000
43932-F	3.2						1.25		
43935-F	3.5						2.0		

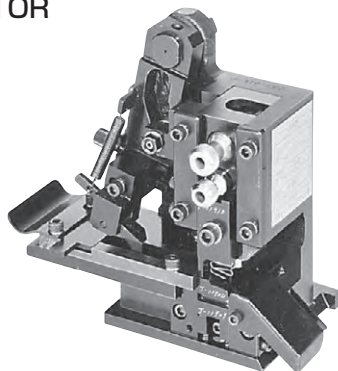
SPECIFICATION

- MATERIAL: P.V.C.
- COLOR: TRANSPARENT
- RATED VOLTAGE: 300V
- RATED TEMP. (MAX) : 60°C



Applicable Applicator Table

■ APPLICATOR



Please select an applicator which is compatible with the terminal you are using from the list below.

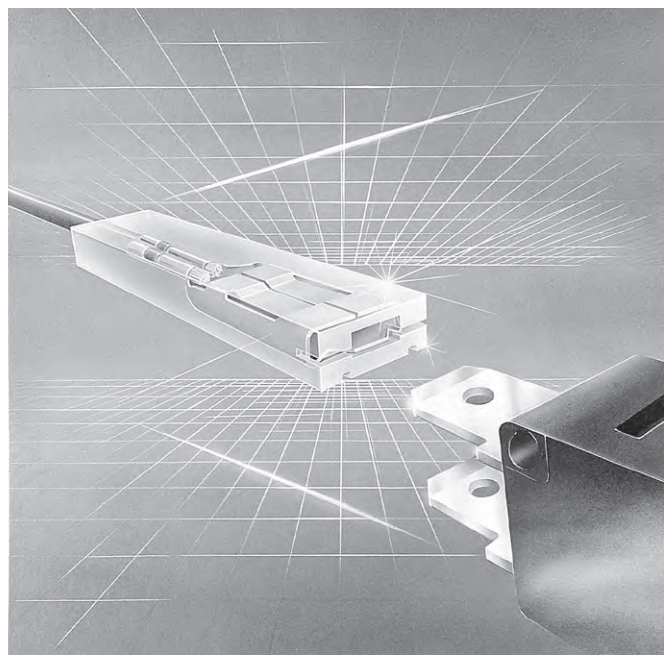
SHAPE OF TERMINAL	PART NUMBER	APPLICATOR PART No.	
RING W/INS. GRIP	CSS 14325-A, CSS 15325-A	MB 01	
RING SINGLE GRIP	CSS 13725-N	MB 51	
	CSS 13273-N	MB 52	
	CSS 13225-N2, CSS 13725-N2	MB 54	
	CSS 14325-N2		
	CSS 13715-N	MB 55	
DISCONNECT	187 SERIES F	CSS 64815-F	FB 54
W/INS. GRIP	250 SERIES F	CSS 66325-F	FB 51A
	M	CSS 66325-M	FB 01
BULLET/RECEPTACLE	CSS 43925-F, CSS 43925-M	GB 01	
* DISC. FOR EASY LOCK CONNECTOR	110 SERIES	CSS 62852-F3	FB 65
		CSS 62815-F3	FB 66
	187 SERIES	CSS 64873-F3	FB 59
		CSS 64815-F3	FB 60
	250 SERIES	CSS 66393-F3-1	FB 61A
	CSS 66325-F3-1	FB 62A	

* Recommended crimping machine: LPC220S-C2/LPC220S-220V (JAPAN AUTOMATIC MACHINE CO., LTD.)



EASY LOCK CONNECTORS

Easy lock connectors enable fast/easy/secure connection.
Locking mechanism ensures the connection with low insertion force.



FEATURES

1. Locking Mechanism

Locking mechanism assures the safety of the connection by preventing withdrawal from vibration or wire tension.

2. Very low insertion force

Very low insertion force is required to insert a mated tab. Operators can connect easily.

3. Very low withdrawal force

As same as insertion, very low withdrawal force is required. Just squeeze to release the locking mechanism, and pull off the housing.

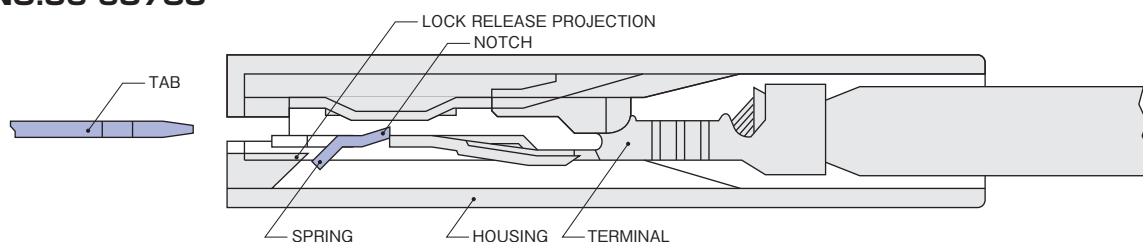
SPECIFICATIONS

ITEM	series	110 series	187 series	250 series
RATED VOLTAGE/CURRENT		AC250V 10A	AC250V 10A	AC250V 13A
INSULATION RESISTANCE		1000MΩ	1000MΩ	1000MΩ
WITHSTAND VOLTAGE		AC2000V	AC2000V	AC2000V
INSULATION TEMPERATURE		-40°C~+105°C		
CONTACT RETENTION FORCE		41N or more	50N or more	80N or more
CONTACT MATERIAL		PRE - TIN BRASS		
HOUSING MATERIAL		NYLON-66 (94V-0,94V-2)	NYLON-66 (94V-2)	NYLON-66 (94V-2)

FOR SAFETY USE

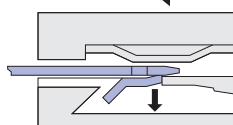
Use with mated tab only.
Use with applicable housing.
Please observe the above points to prevent over heat and possible fire.

PAT.NO.56-63783



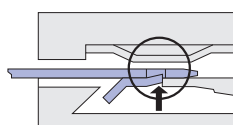
MECHANISM

① TAB INSERTION



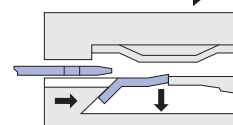
When tab is inserted, spring is lowered.

② SECURE THE LOCK



The projection fits into mating tab hole for sure lock.

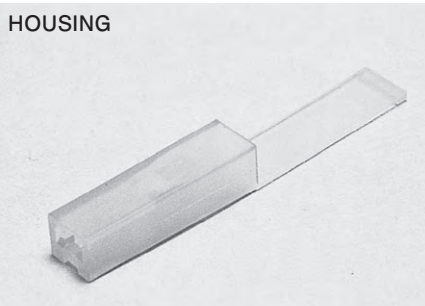
③ WITHDRAWAL



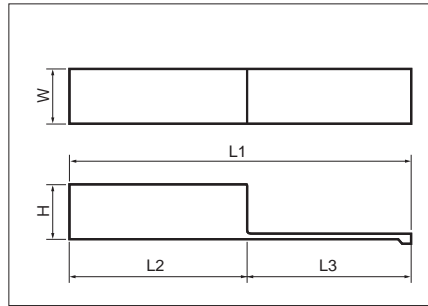
By squeezing the housing, spring is lowered out of the notch.

EASY LOCK CONNECTORS

110 SERIES



HOUSING



This type has a tab for numbering a wire (L3).

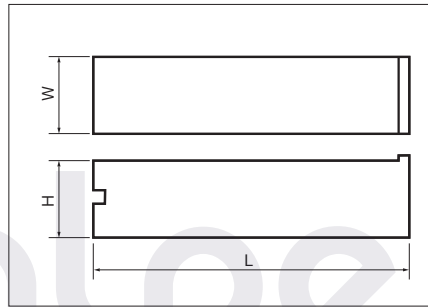
RoHS10

See page 2

PART NUMBER	DIMENSIONS mm					POLE	MATERIAL	STD COLOR	APPLICABLE TERMINAL	QTY
	W	H	L1	L2	L3					
NET 1-28-1P-V2 ◇	5.8	5.0	39	20	19	1	NYLON66(94V-2)	BLUE TRANSLUCENT	OSS 62852-F3 CSS 62852-F3 OSS 62815-F3 CSS 62815-F3	500



HOUSING



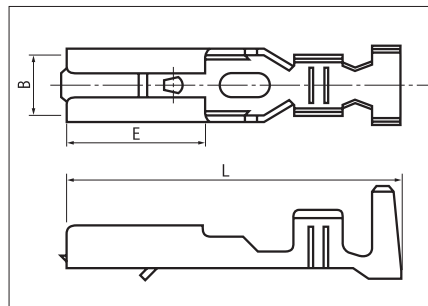
RoHS10

See page 2

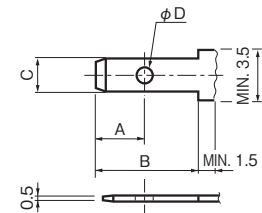
PART NUMBER	DIMENSIONS mm			POLE	MATERIAL	STD COLOR	APPLICABLE TERMINAL	QTY
	W	H	L					
NEM 1-28-1P-V0 ○	5.8	5.4	23	1	NYLON66(94V-0)	WHITE	OSS 62852-F3 CSS 62852-F3 OSS 62815-F3 CSS 62815-F3	500



TERMINAL



MATED TAB DIMENSIONS



APPLICABLE HOUSING PART NO.	DIMENSIONS mm			
	A	B	C	D
NET 1-28-1P	1.6±0.1	8.5±0.1	2.8±0.1	φ1.2±0.1
NEM 1-28-1P		7.5±0.1		

RoHS10

See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE		TOOL No.	APPLICATOR	QTY
	B	E	L	mm ²	AWG			
OSS 62852-F3 ○	3.1	7.0	17.0	0.2~0.3	24-22	NH 71A	-	500
OSS 62815-F3 ○				0.5~1.25	20-16			
CSS 62852-F3 ○	3.1	7.0	17.0	0.2~0.3	24-22	-	FB 65	4,000
CSS 62815-F3 ○				0.5~1.25	20-16		FB 66	

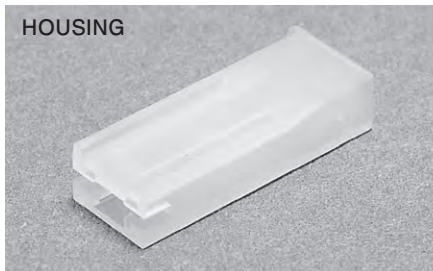
OSS: Loose piece terminal CSS: Strip terminal

NOTE 1) ○ : UL·CSA ◇ : CSA

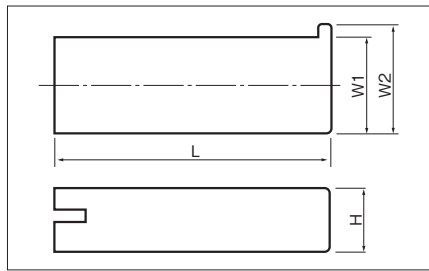


EASY LOCK CONNECTORS

187 SERIES



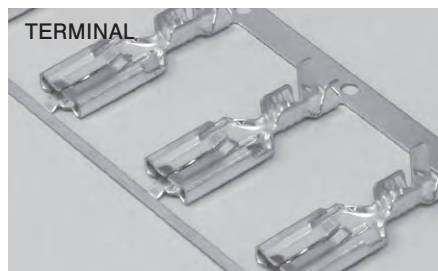
HOUSING



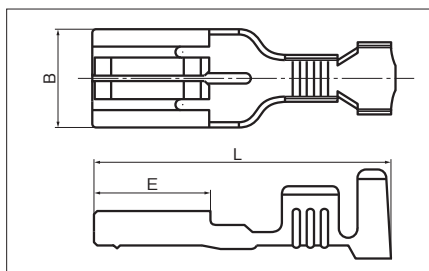
RoHS10

See page 2

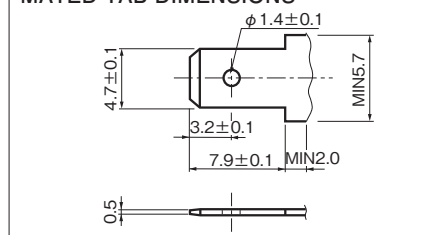
PART NUMBER		DIMENSIONS mm				POLE	MATERIAL	STD COLOR	APPLICABLE TERMINAL	QTY
		W1	W2	H	L					
NEP 2-48-1P-V2	○	7.7	8.7	5.0	22.0	1	NYLON66 (94V-2)	MLKY WHITE	CSS 64873-F3 CSS 64815-F3	500



TERMINAL



MATED TAB DIMENSIONS

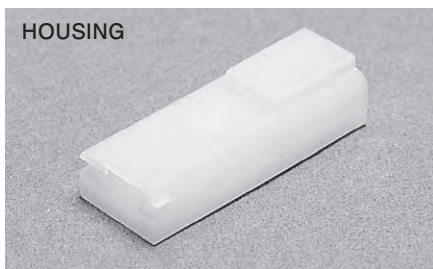


RoHS10

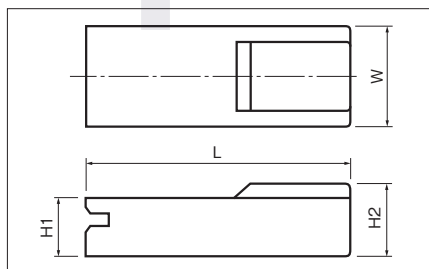
See page 2

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS mm	WIRE RANGE		APPLICATOR	QTY/REEL
		B	E	L		mm ²	AWG		
CSS 64873-F3	○	5.0	6.8	18.0	0.5	0.3~0.75	22-18	FB 59	3,000
CSS 64815-F3	○					0.5~1.25	20-16		

250 SERIES



HOUSING



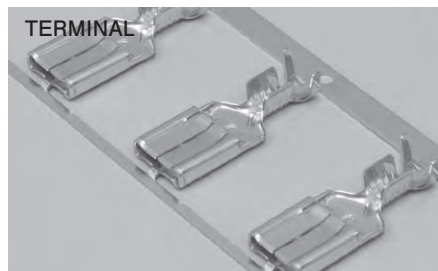
NOTE FOR CSA

Part No.84856 as CSA certified item.

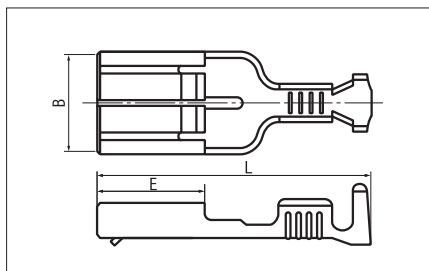
RoHS10

See page 2

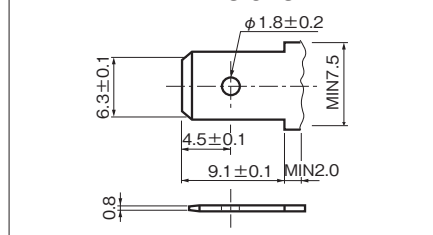
PART NUMBER		DIMENSIONS mm				POLE	MATERIAL	STD COLOR	APPLICABLE TERMINAL	QTY
		W	H1	H2	L					
NEP 1-63-1P-V2	○	9.1	5.1	6.3	24.6	1	NYLON66 (94V-2)	WHITE	CSS 66393-F3-1 CSS 66325-F3-1	500



TERMINAL



MATED TAB DIMENSIONS



RoHS10

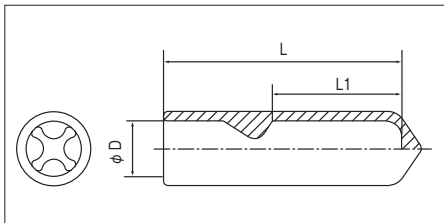
See page 2

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS mm	WIRE RANGE		APPLICATOR	QTY/REEL
		B	E	L		mm ²	AWG		
CSS 66393-F3-1	○	6.7	8.0	20.5	0.8	0.3~0.9	22-18	FB 61A	2,500
CSS 66325-F3-1	○					0.5~2.0	20-14		

NOTE1) ○ : UL-CSA



END CAPS (For open end connectors)



FEATURES

- Easy insulation treatment.
- Translucent cap makes easy inspection.
- Good insulation performance.

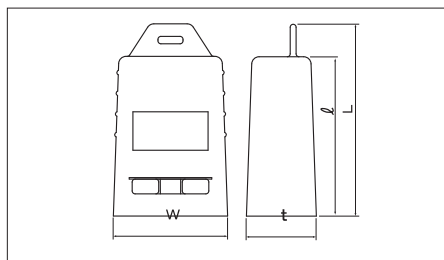
RoHS10
See page 2

SPECIFICATION

- MATERIAL P.V.C
- WITHSTAND VOLTAGE 300°C
- MAX. TEMPERATURE 60°C
- MIN. INSTALLATION TEMP. 0°C

PART NO.	DIMENSION mm			MATING CONNECTOR	STD COLOR	STD QTY/BOX
	φ D	L	L 1			
END V-S	7.0	30.2	(16.4)	E-S	RED TRANSLUCENT	500 (100×5)
END V-L	8.5	34.5	(17.1)	E-M,E-L	GREEN TRANSLUCENT	250 (50×5)

JOINT COVERS



FEATURES

- Protect wire jointed area.
- Joint Cover acts as a tension relief.
- Translucent and soft vinyl material.
- It has a groove on the back of the Joint Cover to fit suspension bolt.

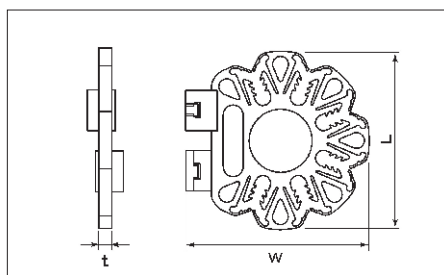
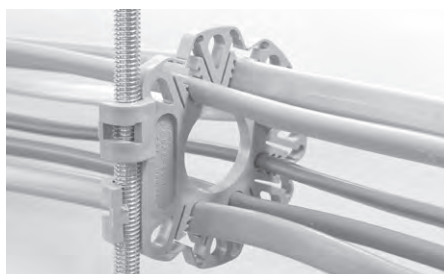
RoHS10
See page 2

SPECIFICATION

- MATERIAL P.V.C. UL94V-0 (Translucent)
- INSULATOR TEMPERATURE 75°C
- WITHSTAND VOLTAGE 3000V

PART NO.	DIMENSION mm				PACKING QTY
	L	ℓ	W	t	
JB 130	128	105	77	47	50(10×5)
JB 170	168	148	80	51	

ROMEX CABLE SUPPORTERS



FEATURES

- Distributed wire suspension system prevents the danger of temperature rise and deterioration of cable insulation.
- Snap onto the suspension bolt with ease.

RoHS10
See page 2

SPECIFICATION

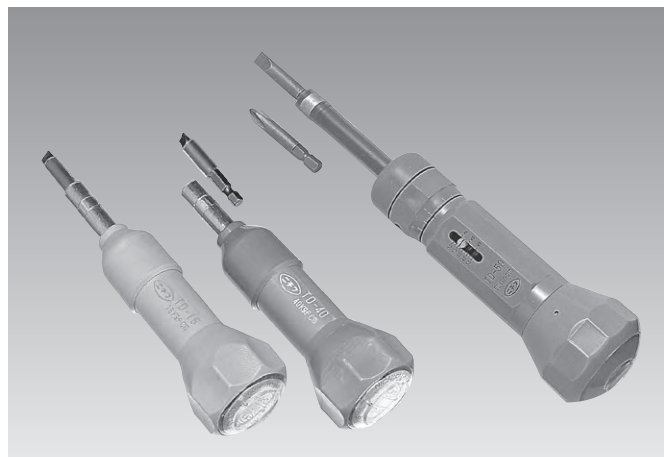
- APPLICABLE WIRE Romex cable (2 or 3 cores)
- CABLE QTY Upto 6 cables
- MATERIAL Polypropylene (UL94V-0)
- INSULATOR TEMPERATURE -15°C~ 75°C
- INSTALLATION TEMP 0°C~ 40°C
- SUSPENSION BOLT W 3/8 bolt

PART NO.	DIMENSION mm			PACKING QTY
	L	W	t	
NCS 6P	89.5	91.5	6	50 (5×10)



TORQUE SCREW DRIVERS

TD 15 (YELLOW GREEN)
TD 40 (WINE RED)
TD 50 (YELLOW)


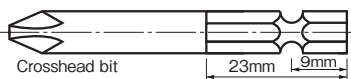




FEATURES

- Once it reaches the desired set torque limit, the clutch mechanism automatically stops power transfer.
- The body of the screw driver is electrically insulated, excluding the bit.
- Lightweight, compact and portable.

PART NUMBER	TYPE	TORQUE SET VALUE	DIMENSIONS mm	WEIGHT	ACCESSORY
TD 15	NOT ADJUSTABLE	1.5N · m	165×51×51	305g	0.8⊖BIT
TD 40		4.0N · m			1.2⊖BIT
TD 50	ADJUSTABLE	1.0N · m ∫ 5.0N · m	209×52×52	410g	0.8⊖BIT No2⊕BIT

■ ⊕ ⊖ BIT When ordering a bit, check top shape of screw

TYPE OF SCREW	T Y P E O F B I T	PART NO.	T Y P E O F S C R E W	
			Round head screw Truss head screw Binding head screw	Countersunk screw Raised countersunk head Pan head screw
	 <p>Crosshead bit</p>	No.1	M2~M2.6	2.1 φ ~ 2.7 φ
		No.2	M3~M5	3.1 φ ~ 4.8 φ
		No.3	M6~M8	5.1 φ ~ 6.8 φ
	 <p>Slottedhead bit</p>	0.5	M2~M3	—
		0.8	M4~M8	
		1.2	M8	



ELECTRIC WIRE TWISTERS“H 2100E/F 2100E”



**Compact body
Easy
Stable finish**

FEATURES

- Multiple wires can be twisted at the same time. Pre-twisting is not required.
- The H-2100/F-2100 will not cause cutting or fraying of the wire like conventional twisters.
- Small and compact. Safety featured design. Requires 100V AC power supply. Can be used anywhere electricity is available.
- H-2100/F-2100 gives a very clean and stable finish to the wire. Now, wire insertion is very smooth and easy.



F 2100E (with stand and foot switch)

SPECIFICATIONS

PART NO. : H-2100E
: F-2100E
(with stand and foot switch)

DIMENSIONS : ϕ 34 × 155(mm)

WEIGHT : 400g(twister) 900g(power unit)

POWER : AC 100V (MOTOR 30V)

ROTATION : CLOCKWISE

SPEED : 11,000 rpm(Max), 4 speed.

LENGTH OF TWIST : 5 ~ 15mm



H 2100E

SPECIAL TYPES (UPON REQUEST)

FOR FINE CONDUCTORS

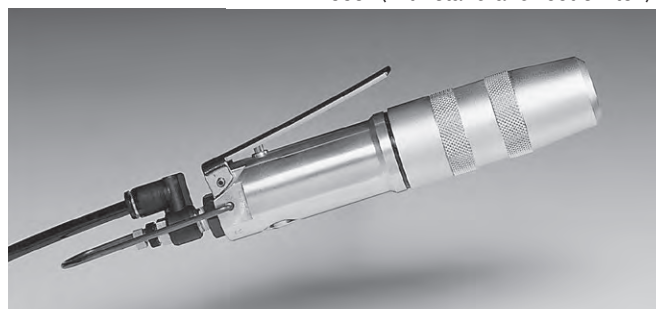
mm ²	0.05 × 4pcs.
	0.09 × 4pcs.
AWG	#36
	#30
	#28
	#26
	#20



PNEUMATIC WIRE TWISTERS "H-1000/F-1000"



F-1000 (with stand and foot switch)



H-1000

FEATURES

- Multiple wires can be twisted at the same time. Pre-twisting is not required.
- The H-1000/F-1000 will not cause cutting or fraying of the wire like conventional twisters.
- The H-1000/F-1000 gives a very clean and stable finish to the wire. Now, wire insertion is very smooth and easy.
- Small and compact. Safety featured design.

SPECIFICATIONS

PART NO.	: H-1000 F-1000(with stand and foot switch)
DIMENSIONS	: ϕ 30 × 158mm
WEIGHT	: 450g
AIR PRESSURE	: 0.4MPa or more
ROTATION	: CLOCKWISE
LENGTH OF TWIST	: 5 ~ 15mm

WIRE COMBINATIONS CHART

■ PNEUMATIC WIRE TWISTER

COMBINATION OF VSF WIRE

WIRE A \ WIRE B	VSF0.5mm ²					VSF0.75mm ²					VSF1.25mm ²					VSF2.0mm ²				
	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs
VSF 0.5mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 0.75mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 1.25mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 2.0mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

■ ELECTRIC WIRE TWISTER

COMBINATION OF VSF WIRE

WIRE A \ WIRE B	VSF0.5mm ²					VSF0.75mm ²					VSF1.25mm ²				
	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs
VSF 0.5mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 0.75mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 1.25mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

※ Above combination shows a major combination of wires.
Feel free to contact us with combinations other than above.



CRIMPING TOOLS

● NH 1 (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES
TUBULAR TERMINALS 1.25, 2, 3.5, 5.5, 8mm²



WEIGHT = 395g LENGTH = 235mm

● NHE 4 (HAND RATCHET TOOL)

NON-INSULATED OPEN ENDS
E-S, E-M, E-L



WEIGHT = 410g LENGTH = 240mm

● NH 61A (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES
TUBULAR TERMINALS 1.25, 2mm²



WEIGHT=270g LENGTH=175mm (SHORT HANDLE)

○ NH 5 (HAND RATCHET TOOL)

INSULATED TERMINALS&SLEEVES
0.3, 0.5mm²



WEIGHT = 450g LENGTH = 265mm

● NH 9 (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES
TUBULAR TERMINALS 2, 3.5, 5.5, 8, 14mm²



WEIGHT = 570g LENGTH = 297mm

○ NH 32 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
0.3/0.5, 1.25, 2mm²



WEIGHT = 450g LENGTH = 241mm

NH 20 (HAND RATCHET TOOL)

NON-INSULATED FLAG RING TERMINALS
1.25, 2mm²



WEIGHT = 410g LENGTH = 240mm

○ NH 11 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
1.25mm²



WEIGHT = 455g LENGTH = 265mm

UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ● : JIS ○ : UL·CSA



CRIMPING TOOLS

○NH 12 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
2mm²



WEIGHT = 455g LENGTH = 265mm

○NH 65B (HAND RATCHET TOOL)

For insulated PIN terminals with rod in the center of the barrel.
0.75 · 1.25mm²



WEIGHT = 350g LENGTH = 200mm

○NH 13 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
3.5, 5.5mm²



WEIGHT = 900g LENGTH = 325mm

NH 65C (HAND RATCHET TOOL)

For insulated PIN terminals with rod in the center of the barrel.
1.25mm²



WEIGHT = 250g LENGTH = 170mm (SHORT HANDLE)

○NH 38 (HAND RATCHET TOOL)

CLOSED ENDS & INTERMEDIATE CONNECTORS
1.25, 2, 5.5, 8mm²



WEIGHT = 430g LENGTH = 250mm

NH 64 (HAND RATCHET TOOL)

WP CONNECTOR
1.25mm², 2mm²



WEIGHT = 250g LENGTH = 180mm (SHORT HANDLE)

NH 40 (HAND RATCHET TOOL)

SQ CE-2HP · 5HP



WEIGHT = 430g LENGTH = 240mm

NH 69 (HAND RATCHET TOOL)

NON-INSULATED TERMINAL & SLEEVE
0.3 / 0.5 · 0.75 · 1.25 · 2mm²



WEIGHT = 250g LENGTH = 180mm (SHORT HANDLE)

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CRIMPING TOOLS

NH 71A (HAND RATCHET TOOL)

110 SERIES EASY LOCK CONNECTOR
0.2 ~ 0.3, 0.5 ~ 0.75, 0.9 ~ 1.25mm²



WEIGHT = 470g LENGTH = 230mm

NH25A (HAND RATCHET TOOL)

CLAMP CONNECTORS
T7,11,16



WEIGHT = 410g LENGTH = 240mm

NH 82A (HAND RATCHET TOOL)

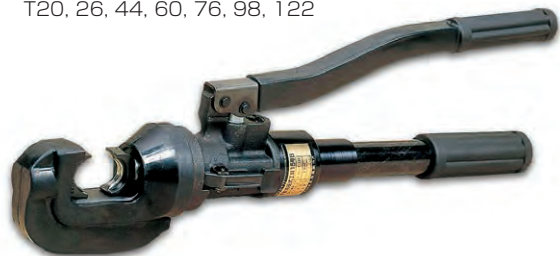
HEAT SHRINK TERMINAL (SR.SB)
0.5mm², 1.25mm², 2mm², 5.5mm²



WEIGHT = 560g LENGTH = 260mm

NOP 120 (HYDRAULIC TOOL)

CLAMP CONNECTORS
T20, 26, 44, 60, 76, 98, 122



WEIGHT = 2.9kg LENGTH = 460mm OUTPUT = 59KN

NH79A (HAND RATCHET TOOL)

WIRE ENDS
NF0.5 ~ NF6



WEIGHT = 360g LENGTH = 200mm

●NOP 60 (HYDRAULIC TOOL)

NON-INSULATED TERMINALS &
SLEEVES
TUBULAR TERMINALS
(8) 14, 22, 38, 60mm²
() OPTIONAL DIES



WEIGHT = 2.1kg LENGTH = 364mm OUTPUT = 54KN

NH 89 (HAND RATCHET TOOL)

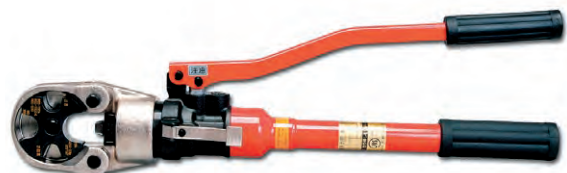
WIRE ENDS
NF0.14 ~ NF6 0.14~10mm² (AWG26-8)



WEIGHT = 362g LENGTH = 175mm

●NOP 150HA (HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
14, 22, 38, 60, 70, 80, 100, 150mm²



WEIGHT = 3.7kg LENGTH = 512mm OUTPUT = 90KN

UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL-CSA ● : JIS ○ : UL-CSA



CRIMPING TOOLS

● NOM 60 (BATTERY OPERATED HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
(5.5, 8) 14, 22, 38, 60mm² () OPTION



WEIGHT 2.5kg
(INCL. BATTERY & DIE)
LENGTH 286mm
OUTPUT 54KN

● NOH 300K (HYDRAULIC HEAD)

NON-INSULATED TERMINALS
60, 80, 100, 150, 180, 200, 325mm²
(OPTION 8, 14, 22, 38, 70)



WEIGHT 7.5kg
LENGTH 210mm
OUTPUT 226KN

● NOM 150 (BATTERY OPERATED HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
14, 22, 38, 60, 70, 80, 100, 150mm²



WEIGHT 3.5kg
(INCL. BATTERY & DIE)
LENGTH 340mm
OUTPUT 88KN

NP 520 (HYDRAULIC HEAD)

CLAMP CONNECTORS
T154, 190, 240, 288,
365, 450, 560, 700
COMPRESSION TERMINALS
14 ~ 500mm²
(ALL OPTIONAL DIES)



WEIGHT 17.5kg
LENGTH 380mm
OUTPUT 294KN

NOH 360 (HYDRAULIC HEAD)

CLAMP CONNECTORS
T154, 190, 240, 288, 365
(OPTION 20, 26, 44, 60, 76, 98, 122)



WEIGHT 4.5kg
LENGTH 286mm
OUTPUT 118KN

NOP 700 (HYDRAULIC PUMP)

WEIGHT 9.6kg
LENGTH 580mm
WIDTH 140mm
HEIGHT 160mm



● NOM 2500A (MOTOR DRIVEN HYDRAULIC PUMP)

WEIGHT 14kg
WIDTH 306mm
LENGTH 205mm
HEIGHT 393mm
AC 100V



● NOM 3000 (MOTOR DRIVEN HYDRAULIC PUMP)

WEIGHT 30kg
WIDTH 330mm
LENGTH 350mm
HEIGHT 420mm
AC 100V



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CRIMPING TOOLS

PNEUMATIC TOOL

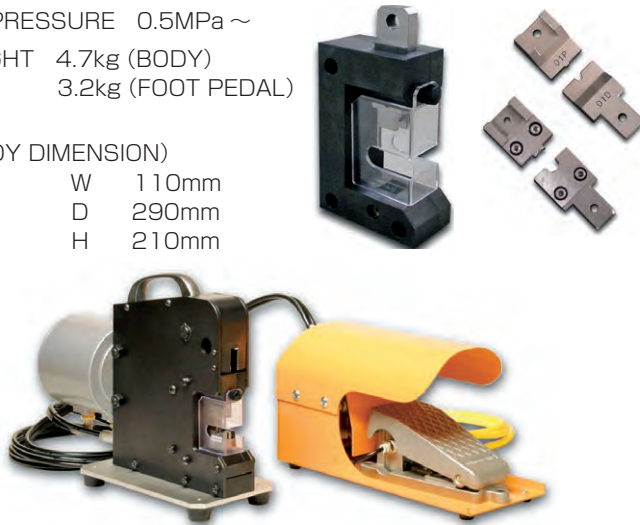
ONA 10

AIR PRESSURE 0.5MPa ~
WEIGHT 4.7kg (BODY)
3.2kg (FOOT PEDAL)

(BODY DIMENSION)

W 110mm
D 290mm
H 210mm

APPLICATOR DIES



	PART No.	APPLICABLE TERMINAL
APPLICATOR	○N10AP-C	For Non-insulated & closed end
	○N10AP-C2	For Non-ins. 0.3 · 0.75mm ²
	○N10AP-TM	For Insulated terminal
DIES	N10 04	Non-ins. 0.3mm ²
	N10 05	Non-ins. 0.75mm ²
	○N10 01	Non-ins. 1.25mm ²
	○N10 02	Non-ins. 2mm ²
	○N10 03	Non-ins. 5.5mm ²
	○N10 10	Ins. miniature (Except TMDN)
	○N10 11	Ins. Red 1.25mm ² (Except TMDV)
	○N10 12	Ins. Blue 2mm ² (Except TMDV)
	○N10 13	Ins. Yellow 5.5mm ² (Except TMDV)
	N10 21	Ins. Red TMDV 1.25mm ²
	N10 22	Ins. Blue TMDV 2mm ²
	N10 23	Ins. Yellow TMDV 5.5mm ²
	N10 31	Closed end CE 1
N10 32	Closed end CE 2	
N10 33	Closed end CE 5	

PNEUMATIC TOOL

ONA 3

AIR PRESSURE 0.5 ~ 0.6MPa
WEIGHT 2.0kg (BODY)
1.5kg (FOOT PEDAL)

DIES



(BODY DIMENSION)

W 92mm
D 215mm
H 133mm

● TABLE OF DIES

PART NUMBER	APPLICABLE TERMINAL
○N3 5	Ins. Miniature 0.3/0.5mm ²
○N3 7	Non-ins. 1.25 · 2 · 3.5/5.5mm ²
○N3 11	Ins. Red 1.25mm ² (Except TMDV)
○N3 12	Ins. Blue 2mm ² (Except TMDV)
○N3 13	Ins. Yellow 5.5mm ² (Except TMDV)
○N3 14	Closed end CE2/5 · EC2-2/2-3/3-1
N3 15	Heat shrink (SB) 0.5mm ²
N3 16	Heat shrink (SB) 1.25 · 2mm ²
○N3 34	Closed end CE1/2 · EC1-1/2-2/2-3
○N3 36	Closed end CE8
○N3 69	Non-ins. 0.75mm ²
○N3 70	Non-ins. 0.3/0.5mm ²

PNEUMATIC TOOL

NA 20

AIR PRESSURE 0.6MPa or more
WEIGHT 39kg (BODY)
3.2kg (FOOT PEDAL)

(BODY DIMENSION)

W 160mm
D 323mm
H 439mm



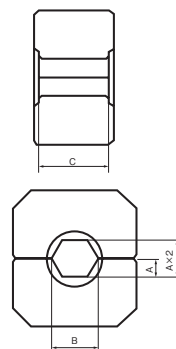
(8), 14, 22, 38, 60mm²
() Optional Dies

PART NUMBER	APPLICABLE TERMINAL
○N20 08	Non-ins. 8mm ²
○N20 14	Non-ins. 14mm ²
○N20 22	Non-ins. 22mm ²
○N20 38	Non-ins. 38mm ²
○N20 60	Non-ins. 60mm ²

HYDRAULIC HEAD

NP 1000

COMPRESSION TERMINALS
OUTPUT 490KN
RANGE 14 ~ 1000mm²
WEIGHT 30kg
LENGTH 396mm



APPLICABLE TERMINAL	VERTEX DISTANCE	DIES FOR NP-520			DIES FOR NP-1000			Unit:mm
		A	B	C	A	B	C	
14-38	14	6.06	14	42	6.06	14	60	
45-70	19	8.23	19	37	8.23	19		
75-100	23	9.96	23	31	9.96	23	53	
110-125	26	11.26	26	27	11.26	26	47	
150	29	12.56	29	24	12.56	29	42	
180-200	32	13.86	32	22	13.86	32	38	
240	36	15.59	36	20	15.59	36	34	
250	38	16.45	38	19	16.45	38	32	
325	42	18.19	42	17	18.19	42	29	
400-500	47	20.35	47	15	20.35	47	26	
600	51				22.08	51	24	
725-850	56				24.25	56	22	
1000	64				27.71	64	19	

UL/CSA

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NOTE 1) ● : JIS, UL-CSA ○ : UL-CSA



REFERENCE

- AMPERAGE RATING
- CONVERSION TABLE FOR AWG WIRE

AMPERAGE RATING

Amperage rating is determined by the wire size.

WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)
STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)
	5.0	107	500		842	38		162
	4.0	81	400		745	30		139
	3.2	62	325		650	22		115
	2.6	48	250		550	14		88
	2.0	35	200		460	8		61
	1.6	27	150		395	5.5		49
	1.2	19	125		344	3.5		37
	1.0	16	100		298	2		27
1,000		1,260	80		257	1.25		19
800		1,080	60		217	0.9		17
600		930	50		190			

Amperage rating for Ring terminal with narrower width.

※ R22-5S, R22-6S, R22-8S, R22-10S (94A)

※ R38-6S, R38-8S, R38-10S (132A)

※ R60-6S, R60-8S, R60-10S (175A)

There are some exceptions in amperage rating terminals, see our products specification for details.

NOTE: CONDUCTOR MAX TEMP.60°C
SURROUNDING TEMP.30°C

CONVERSION TABLE FOR AWG WIRE

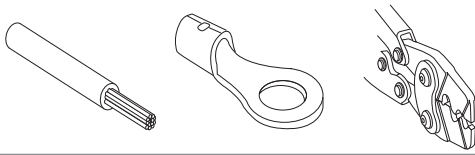
A.W.G.	CROSS SECTION		A.W.G.	CROSS SECTION		A.W.G.	CROSS SECTION	
	mm ²	CM		mm ²	CM		mm ²	CM
36	0.01	25.00	14	2.08	4,096	00 (2/0)	67.51	133,225
34	0.02	39.69	12	3.33	6,561	000 (3/0)	85.16	168,100
32	0.03	63.21	10	5.27	10,404	0000 (4/0)	107.22	211,600
30	0.05	100	8	8.30	16,384		126.68	250,000
28	0.08	158.8	6	13.30	26,244		152.01	300,000
26	0.13	253	5	16.78	33,124		177.38	350,000
24	0.20	404	4	21.09	41,616		202.68	400,000
22	0.32	640	3	26.57	52,441		253.35	500,000
20	0.52	1,024	2	33.94	66,564		304.02	600,000
18	0.81	1,600	1	42.22	83,521			
16	1.32	2,601	0 (1/0)	53.52	105,625			

NOTE: CM Circular mil
MCM=CM×1000



BASIC GUIDE TO TERMINAL CRIMPING

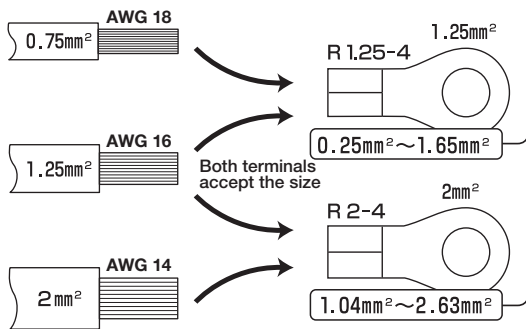
1 Selection Process



① The correct terminal size is dictated by the size of the wire

Acceptable Wire Size

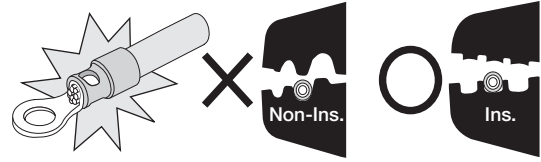
Each terminal has an acceptable wire size range



! To prevent wire slip off or snapping, select correct terminal being used.

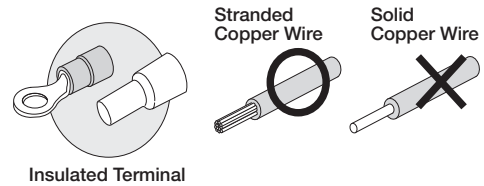
! SELECT RIGHT TOOL TO THE TYPE OR SIZE OF TERMINAL.

The insulator may split and be exposed when the tool is misused, and may cause an electrical short circuit.



! DO NOT CRIMP A SOLID WIRE INSERTED TO AN INSULATED TERMINAL.

Stranded copper wire only. Solid copper wires can be crimped only by using non-insulated terminals.



② How to select the correct tool

Select right tool, based on the size and type of the terminal.

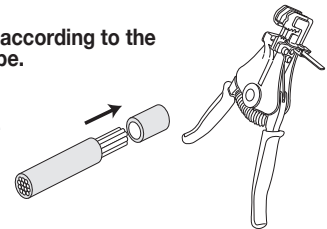
Type of terminal	Correct tool
Non-Insulated Terminal 	Crimp tool for non-insulated terminal Single Jaw Crimp the center of the barrel.
Insulated Terminal 	Crimp tool for insulated terminal Double Jaw
Insulated Closed End 	Crimp tool for insulated closed end Single Jaw

2 CRIMPING INSTRUCTIONS

① Strip the Wire

Strip the wire to be crimped according to the instructions for each wire type.

The length of the insulation to be removed is dependant on the terminal type and shape.



APPROXIMATE STRIP LENGTH

Non-Insulated Terminal Approx. : 1mm 	OPEN-END SLEEVE Strip longer than the sleeve length by 1.5~3.5mm. $(a) + (1.5 \sim 3.5mm)$ Combine the tip of the conductors, making sure ends are even. Cover the crimped end sleeve with insulation tape or cap. INSULATION CAP "VAC"
Non-Insulated Parallel Connector Approx. : 1mm 	
Non-Insulated Butt Connector Approx. : 1mm Approx. : 1mm 	
Insulated Terminal Approx. : 1mm 	
Insulated Closed End 	

The length between the sleeve and the end of the insulator varies by the size. Strip each wire to reach the end of the insulator.

BASIC GUIDE TO TERMINAL CRIMPING

② Crimping

Select the die of the crimping tool by the terminal size.

Example: R 1.25-4

Use the Non-Insulated Terminal Crimping Tool (NH 1)

The terminal is placed in the nest at the point marked 1.25.

Use the appropriate wire size for 1.25mm² terminals.

Place the terminal in the nest with the brazed seam facing the indenter.

Close the handles slightly for the terminal to be retained by the die. Next insert the stripped wire into the terminal barrel.

Squeeze the handles until they release.

Ratchet

Never pull on the handles to release the ratchet mechanism. This will cause crimp failure.

! DO NOT REMOVE THE RATCHET.

The ratchet mechanism is designed to ensure proper crimps.

! CRIMPING INSTRUCTIONS FOR INSULATED TERMINAL

The tool for the insulated terminal has double jaws. One jaw crimps the terminal barrel and the other crimps the insulation.

Locator: It helps to fix a good crimp position.

Remove the locator when crimping terminals other than Ring and Spade.

! Crimp Direction

Using the wrong dies or reversing the terminal placement will cause insufficient crimping resulting in wire slippage.

Thinner Width (Dies for wire barrel) / **Thicker width** (Dies for insulator barrel)

Narrower / **Wider**

! CORRECT CRIMP POSITION

Crimp the center of the terminal barrel.

Indenter / Nest

WRONG / **WRONG**

NON-INSULATED TERMINAL • ESLEEVE	INSULATED TERMINAL • ESLEEVE
<p>CROSS SECTIONAL AREA</p> <p>CRIMPED TERMINAL CONDUCTORS</p>	<p>CROSS SECTIONAL AREA</p> <p>INSULATOR CONDUCTORS</p>
<p>NON-INSULATED PARALLEL CONNECTOR</p>	<p>INSULATED TERMINAL</p>
<p>NON-INSULATED BUTT CONNECTOR</p>	<p>INSULATED BUTT CONNECTOR</p>

③ INSPECTION

NON-INSULATED TERMINAL	INSULATED TERMINAL	JUDGEMENT
		○ Good crimp
		✗ WRONG
		✗ WRONG
		✗ WRONG
		✗ WRONG

○ MEMO



calpe



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