

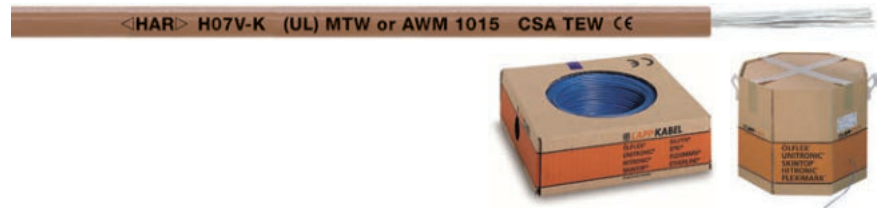


MULTI-STANDARD SC 2.1

USA: UL-listed (MTW), Canada: CSA (TEW), Europe: <HAR> H07V-K (depending on cross s.), tin-coated strands

Info

- The all-rounder for many markets
- CPR: Article number choice under www.lappkabel.com/cpr



Benefits

- For use in the most important global markets
- Reduction in technical documentation
- Easier storage; increases the cost-effectiveness of the production process
- Works with „Conductor end sleeves XL, insulated“

Application range

- Factory wiring
- Field wiring
- Internal wiring of devices
- Control cabinet wiring

Product features

- Flame-retardant according IEC 60332-1-2
- Flame-retardant according to UL VW1/CSA FT1
- Oil-resistant

Norm references / Approvals

- Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.
- Cable type certifications: <HAR> H07V-K acc. EN 50525-2-31, UL AWM style 1015 (by UL acc. UL standard UL 758, U.I. Lapp GmbH's UL AWM file number: E63634), (UL) MTW (by UL acc. UL standard UL 1063, U.I. Lapp GmbH's (UL) MTW file number: E198296), CSA TEW (by CSA acc. CSA standard CSA C22.2 No. 127, CSA class 5835-01)

Product Make-up

- Fine-wire strand made of tinned-copper wires
- Special PVC-based core insulation

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000993
ETIM 5.0/6.0 Class-Description: Single core cable
- Conductor stranding**
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
- Minimum bending radius**
OD ≤ 8 mm: 4 x OD* / 2 x OD**;
8 < OD ≤ 12 mm: 5 x OD* / 3 x OD**;
OD > 12 mm: 6 x OD* / 4 x OD**
- Nominal voltage**
HAR / IEC: U0/U: 450/750 V;
UL (AWM): U: 600 V;
UL (MTW): U: 600 V;
CSA (TEW): U: 600 V
- Temperature range**
Fixed installation:
HAR/IEC: -40°C to +70°C;
UL (AWM): up to +105°C;
UL (MTW): up to +90°C;
CSA (TEW): up to +105°C

Conductor cross-section (mm ²)	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)	grey	white
0.5	2.7	100		4.8	11	4160106	4160105
0.5	2.7		3000	4.8	11	4160106K	4160105K
0.75	2.9	100		7.2	14	4160206	4160205
0.75	2.9		2500	7.2	14	4160206K	4160205K
1	3.1	100		9.6	16	4160306	4160305
1	3.1		2000	9.6	16	4160306K	4160305K
1.5	3.4	100		14.4	22	4160406	4160405
1.5	3.4		1500	14.4	22	4160406K	4160405K
2.5	4	100		24	37	4160506	4160505
2.5	4		900	24	37	4160506K	4160505K
4	4.6	100		38.4	49	4160606	4160605
6	5.1	100		57.6	67	4160706	4160705
6	5.1		400	57.6	67	4160706K	
10	6.8	100		96	120	4160806	4160805
16	9	100		153.6	185	4160906	4160905
25	10.2	100		240	260	4161006	
35	11.7			336	360	4161106	

Conductor cross-section (mm ²)	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)	yellow	orange
0.5	2.7	100		4.8	11	4160110	4160109
0.5	2.7		3000	4.8	11		4160109K
0.75	2.9	100		7.2	14	4160210	4160209
0.75	2.9		2500	7.2	14		4160209K
1	3.1	100		9.6	16	4160310	4160309
1	3.1		2000	9.6	16	4160310K	4160309K
1.5	3.4	100		14.4	22	4160410	4160409
1.5	3.4		1500	14.4	22	4160410K	4160409K
2.5	4	100		24	37	4160510	4160509
2.5	4		900	24	37	4160510K	4160509K
4	4.6	100		38.4	49	4160610	4160609
4	4.6		600	38.4	49	4160610K	4160609K
6	5.1	100		57.6	67	4160710	4160709
6	5.1		400	57.6	67		4160709K
10	6.8	100		96	120	4160810	4160809
16	9	100		153.6	185	4160910	4160909
25	10.2	100		240	260	4161010	4161009