



## MULTI-STANDARD SC 1

UL-recognised (AWM) + CSA AWM I A/B + <HAR> H05V-K, tinned-copper strands

**Info**

- Formerly: Multi-Standard single core UL-CSA-HAR 1007/1569



### Benefits

- For use in the most important global markets
- Reduction in technical documentation
- Easy storage
- Increases the cost-effectiveness of the production process

### Application range

- Factory 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 mm<sup>2</sup> 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> H05V-K acc. EN 50525-2-31, UL AWM styles 1007 & 1569 (by UL acc. UL standard UL 758, U.I. Lapp GmbH's UL AWM file number: E63634), CSA AWM I A/B (by CSA acc. CSA standard CSA C22.2 No. 210-05, CSA class 5851-01)

### 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**  
4 x outer diameter (OD) for normal use; 2 x OD for cautions bending

**Nominal voltage**  
HAR / IEC: U0/U: 300/500 V;  
UL (AWM): U: 300 V;  
CSA (AWM I A/B): U: 300 V

**Test voltage**  
2000 V

**Temperature range**  
Fixed installation:  
HAR/IEC: -40°C to +70°C;  
UL (AWM): -40°C to +105°C;  
CSA (AWM I A/B): -40°C to +105°C

Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	brown	black	grey
0.5	2.5	100	4.8	9	4180403	4180401	4180406
0.75	2.6	100	7.2	12	4180503	4180501	4180506
1	2.8	100	9.6	15	4180603	4180601	4180606

Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)	blue	green/yellow	orange
0.5	2.5	100		4.8	9	4180402	4180400	4180409
0.75	2.6	100		7.2	12	4180502	4180500	
1	2.8	100		9.6	15	4180602	4180600	4180609
1	2.8		2000	9.6	15		4180600K	

Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)	dark blue	white	violet
0.5	2.5	100		4.8	9	4180414	4180405	
0.5	2.5		3000	4.8	9	4180414K		
0.75	2.6	100		7.2	12	4180514		4180507
0.75	2.6		2500	7.2	12	4180514K		
1	2.8	100		9.6	15	4180614	4180605	

Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	red
0.5	2.5	100	4.8	9	4180404
0.75	2.6	100	7.2	12	4180504
1	2.8	100	9.6	15	4180604

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Photographs and graphics are not to scale and do not represent detailed images of the respective products. The outer diameters stated in the part number table are maximum values.

### Similar products

- H05V-K <HAR> refer to page 210
- MULTI-STANDARD SC 2.1 refer to page 218

### Accessories

- DIN-assorted boxes conductor end sleeves refer to page 995
- EASY STRIP stripping and cutting tool refer to page 988
- PEW 8.87 crimping pliers refer to page 1000
- FLEXIMARK® Collar Snap-on refer to page 960