

## Multi-Standard SC 2.2

DB 4150100

valid from: 2013-07-11

**Application**

These multi standard wiring cables SC2.2 are UL, CSA and HAR (VDE)\* approved and are designed for use for control cabinet wiring as well as for installation in protective tubes, applicable within the scope of the UL- or Canadian or European standard specifications. They are especially qualified for wiring in industrial machines in accordance with NFPA 79. At room temperature they are widely resistant to oils.

Application range: HAR: Wiring cable for internal wiring acc. to  
DIN EN 50525-2-31 resp. VDE 0285-525-2-31  
UL (MTW): acc. to ANSI/NFPA 70 (National Electrical Code)  
UL (AWM): oil resistant wiring cable for internal wiring  
CSA (TEW): oil resistant wiring cable for internal wiring of devices

**Design**

Design / Approvals H07V2-K ◀HAR▶ (\*) acc. to DIN EN 50525-2-31 resp. VDE 0285-525-2-31  
UL (MTW) acc. to UL 1063, File-No. E198296  
UL (AWM) Style 10269 acc. to UL 758  
CSA (TEW) acc. to C22.2 No. 127-09

\*For the dimensions 0.5; 0.75; 1.0; 16; 50; 70; 95; 120 mm<sup>2</sup> as well for the colours GN, YE and multi-coloured cores (except for GN YE) there are **no** HAR-approval **available** (X07V2-K)!

Conductor fine-wired core of tinned copper strands acc. to IEC 60228 resp. VDE 0295, Class 5  
UL 758 and CSA C22.2

Core insulation special PVC based compound

**Electrical properties**

Nominal voltage HAR H07V2-K U<sub>0</sub>/U: 450 / 750 V AC  
UL (MTW)/CSA (TEW) U: 600 V  
UL (AWM): U: 1000 V

Test voltage 2500 V AC

**Mechanical and thermal properties**

Min. bending radius fixed installation: 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\*\*\*

\*\* at conventional usage; \*\*\* at cautious bending

Temperature range fixed installation: HAR, (UL) MTW: -40 °C up to +90 °C max. conductor temp.  
UL (AWM), CSA (TEW): -40 °C up to +105 °C max. conductor temp.

Flame resistance HAR: IEC 60332-1-2 resp. VDE 0482-332-1-2  
UL: VW-1  
CSA: FT1

Oil resistance UL/CSA: 60°C oil rating

Tests acc. to IEC 60811 resp. VDE 0473 and VDE 0472, UL 1581 and CSA C22.2

EC directive This cable is conform to EC-Directives 2006/95/EC (Low Voltage Directive) and 2011 / 65 / EU (RoHS, Restriction of the use of certain hazardous substances).