


<b>4150100</b>	<b>DATA SHEET</b>	
<b>valid from: 06.02.2019</b>	<b>Multi-Standard SC 2.2</b>	

## Application

Multi-Standard SC 2.2 wiring cables 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 EN 50565-2 (VDE 0298-565-2)

UL (AWM): oil resistant wiring cable for internal wiring

UL (MTW): acc. to ANSI/NFPA 70 (National Electrical Code)

CSA (TEW): oil resistant wiring cable for internal wiring of devices

## Design

Certification	H07V2-K <HAR> (*) acc. to DIN EN 50525-2-31 resp. VDE 0285-525-2-31 UL (AWM) acc. to UL 758, Style 10269 UL (MTW) acc. to UL 1063, File-No. E198296 CSA (TEW) acc. to C22.2 No. 127-15 *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
Insulation	special PVC based compound

## Electrical properties at 20°C

Rated voltage	HAR H07V2-K U <sub>0</sub> /U: 450 / 750 V AV UL (MTW)/CSA (TEW) U: 600 V UL (AWM) U: 1000 V
Test voltage	2500 V AC

## Mechanical and thermal properties

Minimum 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): up to +105 °C max. conductor temp. CSA (TEW): up to +105 °C max. conductor temp.
Flammability	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, UL 1063 and CSA C22.2
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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