


<b>4180400</b>	<b>DATA SHEET</b>	
<b>valid from: 01.01.2019</b>	<b>Multi-Standard SC 1</b>	

## Application

Multi-Standard SC 1 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 HD 516 S2 + A1 resp. DIN VDE 0298-300

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

CSA (AWM): Oil resistant wiring cable for internal wiring of devices

## Design

Certification	H05V-K <HAR> (*) acc. to DIN EN 50525-2-31 / VDE 0285-525-2-31 UL (AWM) Style 1007 + 1569 acc. to UL 758, File-No. E63634 CSA (AWM I A/B) acc. to C22.2 No. 210-11
Conductor	fine-wired core of tinned copper strands acc. to IEC 60228 resp. VDE 0295, Class 5, UL 758 and CSA 22.2
Insulation	special PVC-based compound

## Electrical properties at 20°C

Rated voltage	HAR H05V-K U <sub>0</sub> /U: 300 / 500 V AC UL (AWM) / CSA (AWM I A / B) U: 300 V
Test voltage	2000 V AC

## Mechanical and thermal properties

Minimum bending radius	fixed installation: 4 x OD at conventional usage 2 x OD at cautious bending
Temperature range	fixed installation: HAR: -40 °C up to +70 °C max. conductor temp. UL (AWM), CSA (TEW): -40 °C up to +105 °C max. conductor temp.
Flammability	HAR: IEC 60332-1-2 resp. VDE 0482-332-1-2 UL: VW1 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
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

Creator: PESA / PDC	Document: DB4180400EN	Page 1 of 1
Released: ALTE / PDC	Version: 06	