


4180400	DATA SHEET	
valid from: 24.01.2023	MULTI-STANDARD SC 1	

Application

MULTI-STANDARD SC 1 wiring cables are UL, CSA and HAR 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 50565-1 and EN 50565-2

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

CSA (AWM): wiring cable for internal wiring of appliances

Design

Design	acc. to EN 50525-2-31 UL AWM Style 1007 & 1569, UL 758 CSA 22.2 No. 210-15
Certification	H05V-K <HAR> acc. to EN 50525-2-31 UL (AWM) Style 1007 & 1569, UL 758 (File No. E63634) CSA (AWM I A/B): C22.2 No. 210-15 EN 13501-6 and EN 50575 Classification of fire behaviour (article/dimension range see www.lappkabel.com/cpr)
Conductor	fine wire strands of tinned copper, acc. to IEC 60228 resp. EN 60228, class 5
Insulation	special PVC-based compound

Electrical properties at 20 °C

Nominal voltage	H05V-K, U ₀ / U: 300/500 V AC
Rated voltage	UL (AWM): 300 V CSA (AWM): 300 V
Test voltage	H05V-K: 2 kV AC acc. to EN 50525-1 resp. EN 50525-2-31 Spark-test: 6 kV AC acc. to EN 62230

Mechanical and thermal properties

Minimum bending radius	fixed installation: 4 x outer diameter at normal use 2 x outer diameter at careful bending at termination (with a former)
Temperature range	fixed installation: HAR: -40 °C up to +70 °C max. conductor temperature UL (AWM), CSA (TEW): -40 °C up to +105 °C max. conductor temperature
Flammability	flame retardant acc. to H05V-K: IEC 60332-1-2 resp. EN 60332-1-2 UL: Vertical flame test VW-1 CSA: FT1
Oil resistance	UL (AWM): 60 °C rating

Tests acc. to IEC 60811 resp. EN 60811, UL 1581 and CSA C22

General requirements These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive).

A part of these cables (see www.lappkabel.com/cpr) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

Environmental information These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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