1600250	DATA SHEET	LAPP
valid from: 2026-06-16	H05RN-F	

Application

H05RN-F is a tough rubber insulated cable for supplying devices in households, kitchens or offices under light mechanical stress. Also applicable for handheld inspection lamps. Provided the maximum conductor temperature of +60°C, the maximum outer sheath surface temperature of +50°C and the lack of ozone resistance are taken into account, suitable for permanent use outdoors with conventional mechanical stress.

Design

Design	acc. to. EN 50525-2-21
Certification	The cable is characterized with the ⊲HAR⊳ HAR-sign or HAR-identification thread.
	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr)
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. EN IEC 60228, class 5
Insulation	rubber compound EI4 acc. to EN 50363-1
Core identification code	colour-coded acc. to VDE 0293-308
Outer sheath	rubber compound EM2 acc. to EN 50363-2-1

Electrical properties at 20 °C

Nominal voltage	U_0/U: 300/500 V
Test voltage	A / A: 2000 V AC

Mechanical and thermal properties

Minimum bending radius	4 to 8 x outer diameter acc. to EN 50565-1
Temperature range	up -25 °C to +60 °C max. conductor temperature (laying/ installation and handling)
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Oil resistance	acc. to EN 50363-2-1
Tests	acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
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).
Note	Trade product, no LAPP product

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