

1600250	DATA SHEET	
valid from: 01.01.2019	Rubber Insulated Cable H05RN-F	

Application

Rubber Insulated Cable 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 (VDE 0285-525-2-21)
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. EN 60228 (VDE 0295), Class 5
Insulation	rubber compound EI4 acc. to EN 50363-1 (VDE 0207-363-1)
Core identification code	colour-coded in acc. to VDE 0293-1, HD 308 S2 that is VDE 0293-308
Outer sheath	rubber compound EM2 acc. to EN 50363-2-1 (VDE 0207-363-2-1)

Electrical properties at 20°C

Rated 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 D acc. to DIN EN 50565-1 (VDE 0298-565-1)
Temperature range	up -25 °C to +60 °C max. conductor temp. (laying/ installation and handling)
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2 (VDE 0482-332-1-2)
Oil resistance	acc. to EN 60811-404 (VDE 0473-811-404)
Tests	acc. to EN 60811-100 (VDE 0473-811-100); EN 50395 (VDE 0481-395); EN 50396 (VDE 0473-396); EN 50363 (VDE 0207-363) acc. to IEC 60811, EN 50395, EN 50396 The cable is characterized with the <HAR> HAR-sign or HAR-identification thread.
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

Creator: KASC / PDC	Document: DB1600250EN	Page 1 of 1
Released: ALTE / PDC	Version: 06	