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Rubber Cable H07RN-F

DB 1600096
valid from: 2017-10-25

Application

H07RN-F are heavy duty rubber insulated /rubber sheathed cables designed for use subject to high mechanical load conditions in dry or damp rooms, suitable for outdoor use. Continuous operational movements, restricted guidance, usage of these cables in moving cable carriers or on motor drum guidance or under a strain of more than 15 N/mm² conductor cross section are not allowed.
Single-core designs of heavy rubber cables H07RN-F can be used for short circuit- and earth-leakage-proof installation according to VDE 0100-520 (VDE 0100-520).

Application range:
According to EN 50565-2 (VDE 0298-565-2) in dry or damp rooms as well as outdoors taking into account all normative cable characteristics; for use under medium mechanical loads, e.g. for equipment in industrial and agricultural workshops, electric tools, transportable motors, machine tools.

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
Core insulation		rubber compound EI4 acc. to EN 50363-1 (VDE 0207-363-1).
Core identification	up to 5 cores	colour-coded acc. to VDE 0293-308 (VDE 0293-308) with or without GN-YE ground conductor
	starting at 6 cores	black cores with white numbers with GN-YE ground conductor acc. to EN 50334 (VDE 0293-334).
Outer sheath		rubber compound EM2 acc. to EN 50363-2-1 (VDE 0207-363-2-1).

Elektrical properties

Nominal voltage	U_0/U	450 / 750 V
Test voltage	A / A	2500 V AC

Mechancal and thermal properties

Min. bending radius	4 to 8 x D acc. to EN 50565-1 (VDE 0298-565-1) Tab.3
Temperature range	-25 °C bis +60 °C max. conductor temp.
Oil resistance	acc. to EN 60811-404 (VDE 0473-811-404)
Flammability	acc. to EN 60332-1-2 (VDE 0482-332-1-2)
Tests	acc. to IEC 60811, EN 50395, EN 50396

The cable is characterized with the ◅ HAR ▻ HAR-sign or HAR-identification thread.

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

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