

1600096	DATA SHEET	
valid from: 01.01.2019	Rubber Cable H07RN-F	

Application

Rubber Cable 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
Insulation	rubber compound EI4 acc. to EN 50363-1 (VDE 0207-363-1)
Core identification code	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)

Electrical properties at 20°C

Rated voltage	U ₀ /U: 450/750 V
Test voltage	C / C: 2500 V AC

Mechanical and thermal properties

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

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