


1600096	DATA SHEET	
valid from: 28.09.2021	H07RN-F	

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.

Application range:

according to EN 50565- 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
Certification	The cable is characterized with the <HAR> HAR-sign or HAR-identification thread.
Conductor	fine wire strands of bare copper, acc. to IEC 60228 resp. EN 60228, class 5
Insulation	rubber compound EI4 acc. to EN 50363-1
Core identification code	up to 5 cores: colour-coded acc. to 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
Outer sheath	rubber compound EM2 acc. to EN 50363-2-1

Electrical properties at 20 °C

Nominal 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 outer diameter acc. to EN 50565-1 Tab.3
Temperature range	up -25 °C to +60 °C max. conductor temperature
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2
Oil resistance	acc. to EN 50363-2-1

Tests acc. to IEC 60811, EN 50395, EN 50396

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

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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