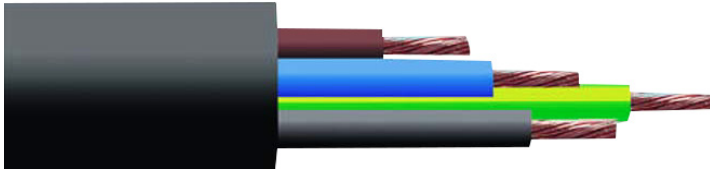


RoHS  
Compliant



## Description

This 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/mm<sup>2</sup> 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 E14 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 <sub>0</sub> / U: 450/750V
Test voltage	: C / C: 2500V AC

## Mechanical and Thermal Properties

Minimum Bending Radius	: 4 to 8 × 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)

# H07RN-F Cable



## Insulation Core Colours

2 core - Brown, Blue

3 core - Brown, Blue, Green/Yellow

4 core - Brown, Black, Grey, Green/Yellow

## Part Number Table

Description	Secondary Insulation Material	Current Rating (A)	Number of Cores	Conductor Area CSA (mm <sup>2</sup> )	External Diameter	Conductor Make-up	Reel Length (m)	Part Number
Cable, 2 Core, 1.5mm, 50m	Rubber	18	2	1.5	8.9	30/0.25	50	H07RNF2 1.5 50M
Cable, 2 Core, 1.5mm, 100m							100	H07RNF2 1.5 100M
Cable, 3 Core, 1.5mm, 50m			50		H07RNF3 1.5 50M			
Cable, 3 Core, 1.5mm, 100m							100	H07RNF3 1.5 100M
Cable, 3 Core, 2.5mm, 50m		26	3	2.5	11.3	50/0.25	50	H07RNF3 2.5 50M
Cable, 3 Core, 2.5mm, 100m							100	H07RNF3 2.5 100M
Cable, 3 Core, 4mm, 50m		34	4	4	13	56/0.3	50	H07RNF3 4.0 50M
Cable, 4 Core, 1.5mm, 50m		18						H07RNF4 1.5 50M
Cable, 4 Core, 2.5mm, 50m		26						H07RNF4 2.5 50M
Cable, 4 Core, 4mm, 50m		34						H07RNF4 4.0 50M

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