



## Heavy standard construction

H07RN-F, HAR, power and control cable, rubber, heavy, 450/750 V, industrial and agricultural use, class 5, -25°C to +60°C, oil resistant, flame-retardant

## Features

- Medium mechanical stress
- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404
- For mechanically more demanding applications
- 1000 V AC at protected + static laying
- Arrangements made of single-core, rubber-sheathed cables H07RN-F can be used for short circuit-proof and short-to-ground-proof installations in accordance with IEC 60364-5-52/ HD 60364-5-52/ VDE 0100 Part 520

## Applications

- Handheld and power supply devices according to EN 50565-2
- Medium, mechanical stress
- Industrial, agricultural use
- According to EN 50565-2: In dry, damp and wet rooms as well as for fixed installation e.g. on the plaster

## Approvals

- <HAR> H07RN-F cable type approval according to EN 50525-2-21

## Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	4 to 8 x outer diameter (EN 50565-1)
Nominal voltage:	U0/U: 450/750 V
Test voltage:	2500 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Current rating:	According to IEC 60364-5-52/ VDE 0298-4 EN 50565-1/ VDE 0298-565-1
Temperature range:	Fixed installation: -25°C up to +60°C Occasionally moved: -25°C bis +60°C

# H07RN-F Cable



## Product Make-up

- Bare copper wire according to HAR
- Core insulation: rubber compound, type EI 4
- Outer sheath: rubber compound, type EM2

## Characteristics at 20 °C

Rated voltage U <sub>0</sub> /U	450/740V
Max. admissible operating voltage in 1 ph and 3 ph systems	495/825V
In DC systems	1238V
Conductor resistance to	DIN/VDE 0295
Test voltage 50Hz, 5 min	2000V

## 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> )	Outer Diameter (mm)	Conductor Make-up	Reel Length (m)	Part Number			
Cable, 2 Core, 1.5mm, 50m	Rubber	18	2	1.5	8.5 – 9.9	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		3		2.5	10.9 – 12.5	50/0.25	50	H07RNF3 1.5 50M
Cable, 3 Core, 1.5mm, 100m										100	H07RNF3 1.5 100M
Cable, 3 Core, 2.5mm, 50m		26	3	4	12.7 – 14.4	56/0.3	50	H07RNF3 2.5 50M			
Cable, 3 Core, 2.5mm, 100m							100	H07RNF3 2.5 100M			
Cable, 3 Core, 4mm, 50m		34	4	1.5	10.2 – 11.7		30/0.25	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		
Cable, 4 Core, 2.5mm, 50m	34	4	2.5	12.1 – 13.8	50/0.25	50	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			
Cable, 4 Core, 4mm, 50m							34	H07RNF4 4.0 50M			

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