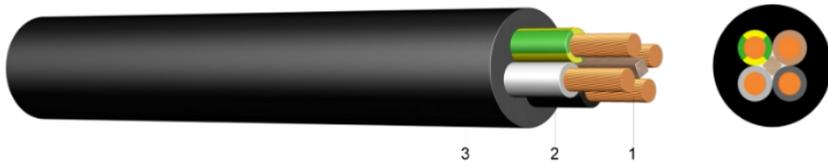


H07RN-F Rubber Cable



Construction

1. Conductor: Plain Annealed Copper Class 5
2. Insulation: EPR (Ethylene Propylene Rubber), Type EI4.
3. Sheath: PCP (Polychloroprene/Neoprene), Type EM2.

Sheath Color: Black.

Core Identification (acc. to HD 308 S2):

- 1 Core: Black
- 2 Cores: Blue, Brown.
- 3 Cores: Green/Yellow, Blue, Brown.
- 4 Cores: Green/Yellow, Brown, Black, Grey.
- 5 Cores: Green/Yellow, Blue, Brown, Black, Grey.

Applications

Engineered for heavy-duty flexibility, H07RN-F is the industry standard for power supply in harsh industrial environments. It is designed to withstand medium mechanical stresses and is suitable for use in dry, damp, or wet conditions, including open-air installations. Typical applications include connecting heavy mobile equipment (motors, generators), industrial tools, agricultural machinery, stage lighting, and temporary power distribution at construction sites.

Standards

Product Standard: EN 50525-2-21, IEC 60245-4 (Type 66)

Conductor: IEC 60228 Class 5.

Flame Retardant: IEC 60332-1-2.

Oil Resistant: IEC 60811-404 (IRM 902).

Water Resistance: AD8 (Submersible up to 10m, depending on manufacturer specs).

Environmental: RoHS 2011/65/EU & REACH Compliant.



Specification

Nominal Voltage	450/750v
Test Voltage	2500V AC/5 Min
Temperature Range	-30°C to +60°C
Max. Conductor Temp.	+90°C (For fixed protected installation)
Min. Bending Radius	Fixed: 4 x overall diameter Flexed: 6 x overall diameter

Technical Data

	Nominal Section (mm ²)	Structure of Conductor Core No./Dia. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Overall Diameter (mm)	Rated Voltage	Max. Conductor Resistance at 20 (/km)
H07RN-F	1x1.5mm ²	30/0.25	0.8	1.4	6.2±0.2	450/750V	13.3
	1x2.5mm ²	49/0.25	0.9	1.4	6.6±0.2	450/750V	7.98
	1x4mm ²	56/0.3	1	1.5	7.9±0.3	450/750V	4.95
	1x6mm ²	84/0.3	1	1.6	8.7±0.3	450/750V	3.3
	2x1mm ²	32/0.2	0.8	1.3	8.3±0.3	450/750V	19.5
	2x1.5mm ²	30/0.25	0.8	1.5	9.3±0.3	450/750V	13.3
	2x2.5mm ²	49/0.25	0.9	1.7	11.2±0.4	450/750V	7.98
	2x4mm ²	56/0.3	1	1.8	12.8±0.4	450/750V	4.95
	2x6mm ²	84/0.3	1	2	14.4±0.4	450/750V	3.3
	3x1mm ²	32/0.2	0.8	1.4	9±0.3	450/750V	19.5
	3x1.5mm ²	30/0.25	0.8	1.6	10.1±0.4	450/750V	13.3
	3x2.5mm ²	49/0.25	0.9	1.8	12.1±0.4	450/750V	7.98
	3x4mm ²	56/0.3	1	1.9	13.9±0.4	450/750V	4.95
	3x6mm ²	84/0.3	1	2.1	15.4±0.5	450/750V	3.3
	4x1mm ²	32/0.2	0.8	1.5	10±0.4	450/750V	19.5
	4x1.5mm ²	30/0.25	0.8	1.7	11.1±0.4	450/750V	13.3
	4x2.5mm ²	49/0.25	0.9	1.9	13.3±0.4	450/750V	7.98
	4x4mm ²	56/0.3	1	2	15.2±0.5	450/750V	4.95
	4x6mm ²	84/0.3	1	2.3	17.2±0.5	450/750V	3.3
	5x1mm ²	32/0.2	0.8	1.6	11±0.4	450/750V	19.5
5x1.5mm ²	30/0.25	0.8	1.8	12.2±0.4	450/750V	13.3	
5x2.5mm ²	49/0.25	0.9	2	14.6±0.5	450/750V	7.98	
5x4mm ²	56/0.3	1	2.2	16.9±0.5	450/750V	4.95	
5x6mm ²	84/0.3	1	2.5	19.1±0.6	450/750V	3.3	