



HEAVY-DUTY RUBBER FLEXIBLE CABLE

EN 50525-2-21

13 orderable sizes

STANDARD EN 50525-2-21	VOLTAGE CLASS 450/750 V	TEMPERATURE CLASS -25 °C to +60 °C mobile service / higher fixed protected service by application
CONDUCTOR Class 5 flexible copper conductor	INSULATION / JACKET PCP polychloroprene outer sheath	

Construction

- 1 ■ **Conductor (per core)** – Class 5 flexible copper conductor · 196 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – EPR rubber insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Sheath** – PCP polychloroprene outer sheath

Size selection — all available cross-sections

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 1 core 1.5 mm²	Heavy-duty portable power	1 core	1.5 mm ²	12.7 Ω/km	11.9 mm	0.25 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 2.5 mm²	Heavy-duty portable power	1 core	2.5 mm ²	7.6 Ω/km	12.7 mm	0.26 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 4 mm²	Heavy-duty portable power	1 core	4 mm ²	4.7 Ω/km	13.5 mm	0.28 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 6 mm²	Heavy-duty portable power	1 core	6 mm ²	3.1 Ω/km	14.4 mm	0.31 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 10 mm²	Heavy-duty portable power	1 core	10 mm ²	1.83 Ω/km	15.8 mm	0.36 kg/m	6 x OD fixed / 8 x OD mobile guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 1 core 16 mm ²	Heavy-duty portable power	1 core	16 mm ²	1.15 Ω/km	17.5 mm	0.44 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 25 mm ²	Heavy-duty portable power	1 core	25 mm ²	0.727 Ω/km	19.5 mm	0.55 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 35 mm ²	Heavy-duty portable power	1 core	35 mm ²	0.524 Ω/km	21.3 mm	0.68 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 50 mm ²	Heavy-duty portable power	1 core	50 mm ²	0.387 Ω/km	23.6 mm	0.88 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 70 mm ²	Heavy-duty portable power	1 core	70 mm ²	0.268 Ω/km	26.2 mm	1.14 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 95 mm ²	Heavy-duty portable power	1 core	95 mm ²	0.193 Ω/km	29.0 mm	1.46 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 120 mm ²	Heavy-duty portable power	1 core	120 mm ²	0.153 Ω/km	31.4 mm	1.79 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 1 core 150 mm ²	Heavy-duty portable power	1 core	150 mm ²	0.123 Ω/km	34.0 mm	2.18 kg/m	6 x OD fixed / 8 x OD mobile guide
Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 2 core 1.5 mm ²	Heavy-duty portable power	2 core	1.5 mm ²	12.7 Ω/km	14.1 mm	0.27 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 2.5 mm ²	Heavy-duty portable power	2 core	2.5 mm ²	7.6 Ω/km	14.9 mm	0.29 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 4 mm ²	Heavy-duty portable power	2 core	4 mm ²	4.7 Ω/km	15.7 mm	0.33 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 6 mm ²	Heavy-duty portable power	2 core	6 mm ²	3.1 Ω/km	16.6 mm	0.39 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 10 mm ²	Heavy-duty portable power	2 core	10 mm ²	1.83 Ω/km	18.0 mm	0.49 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 16 mm ²	Heavy-duty portable power	2 core	16 mm ²	1.15 Ω/km	19.7 mm	0.65 kg/m	6 x OD fixed / 8 x OD mobile guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 2 core 25 mm ²	Heavy-duty portable power	2 core	25 mm ²	0.727 Ω/km	21.7 mm	0.88 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 35 mm ²	Heavy-duty portable power	2 core	35 mm ²	0.524 Ω/km	23.5 mm	1.14 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 50 mm ²	Heavy-duty portable power	2 core	50 mm ²	0.387 Ω/km	25.8 mm	1.53 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 70 mm ²	Heavy-duty portable power	2 core	70 mm ²	0.268 Ω/km	28.4 mm	2.05 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 2 core 95 mm ²	Heavy-duty portable power	2 core	95 mm ²	0.193 Ω/km	31.2 mm	2.70 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 1.5 mm ²	Heavy-duty portable power	3G	1.5 mm ²	12.7 Ω/km	14.9 mm	0.29 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 2.5 mm ²	Heavy-duty portable power	3G	2.5 mm ²	7.6 Ω/km	15.6 mm	0.33 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 4 mm ²	Heavy-duty portable power	3G	4 mm ²	4.7 Ω/km	16.5 mm	0.39 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 6 mm ²	Heavy-duty portable power	3G	6 mm ²	3.1 Ω/km	17.4 mm	0.46 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 10 mm ²	Heavy-duty portable power	3G	10 mm ²	1.83 Ω/km	18.8 mm	0.62 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 16 mm ²	Heavy-duty portable power	3G	16 mm ²	1.15 Ω/km	20.5 mm	0.85 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 25 mm ²	Heavy-duty portable power	3G	25 mm ²	0.727 Ω/km	22.5 mm	1.21 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 35 mm ²	Heavy-duty portable power	3G	35 mm ²	0.524 Ω/km	24.3 mm	1.59 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 50 mm ²	Heavy-duty portable power	3G	50 mm ²	0.387 Ω/km	26.6 mm	2.18 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 3G 70 mm ²	Heavy-duty portable power	3G	70 mm ²	0.268 Ω/km	29.2 mm	2.96 kg/m	6 x OD fixed / 8 x OD mobile guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 3G 95 mm ²	Heavy-duty portable power	3G	95 mm ²	0.193 Ω/km	32.0 mm	3.93 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 1.5 mm ²	Heavy-duty portable power	4G	1.5 mm ²	12.7 Ω/km	15.5 mm	0.31 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 2.5 mm ²	Heavy-duty portable power	4G	2.5 mm ²	7.6 Ω/km	16.3 mm	0.36 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 4 mm ²	Heavy-duty portable power	4G	4 mm ²	4.7 Ω/km	17.1 mm	0.44 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 6 mm ²	Heavy-duty portable power	4G	6 mm ²	3.1 Ω/km	18.0 mm	0.54 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 10 mm ²	Heavy-duty portable power	4G	10 mm ²	1.83 Ω/km	19.4 mm	0.75 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 16 mm ²	Heavy-duty portable power	4G	16 mm ²	1.15 Ω/km	21.1 mm	1.06 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 25 mm ²	Heavy-duty portable power	4G	25 mm ²	0.727 Ω/km	23.1 mm	1.53 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 35 mm ²	Heavy-duty portable power	4G	35 mm ²	0.524 Ω/km	24.9 mm	2.05 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 50 mm ²	Heavy-duty portable power	4G	50 mm ²	0.387 Ω/km	27.2 mm	2.83 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 70 mm ²	Heavy-duty portable power	4G	70 mm ²	0.268 Ω/km	29.8 mm	3.87 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 4G 95 mm ²	Heavy-duty portable power	4G	95 mm ²	0.193 Ω/km	32.6 mm	5.17 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 1.5 mm ²	Heavy-duty portable power	5G	1.5 mm ²	12.7 Ω/km	16.1 mm	0.33 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 2.5 mm ²	Heavy-duty portable power	5G	2.5 mm ²	7.6 Ω/km	16.8 mm	0.39 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 4 mm ²	Heavy-duty portable power	5G	4 mm ²	4.7 Ω/km	17.7 mm	0.49 kg/m	6 x OD fixed / 8 x OD mobile guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
H07RN-F 450/750 V 5G 6 mm ²	Heavy-duty portable power	5G	6 mm ²	3.1 Ω/km	18.6 mm	0.62 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 10 mm ²	Heavy-duty portable power	5G	10 mm ²	1.83 Ω/km	20.0 mm	0.88 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 16 mm ²	Heavy-duty portable power	5G	16 mm ²	1.15 Ω/km	21.7 mm	1.27 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 25 mm ²	Heavy-duty portable power	5G	25 mm ²	0.727 Ω/km	23.7 mm	1.85 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 35 mm ²	Heavy-duty portable power	5G	35 mm ²	0.524 Ω/km	25.5 mm	2.50 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 50 mm ²	Heavy-duty portable power	5G	50 mm ²	0.387 Ω/km	27.8 mm	3.48 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 70 mm ²	Heavy-duty portable power	5G	70 mm ²	0.268 Ω/km	30.4 mm	4.78 kg/m	6 x OD fixed / 8 x OD mobile guide
H07RN-F 450/750 V 5G 95 mm ²	Heavy-duty portable power	5G	95 mm ²	0.193 Ω/km	33.2 mm	6.41 kg/m	6 x OD fixed / 8 x OD mobile guide