



HEAT-RESISTANT RUBBER FLEXIBLE CABLE

EN 50525-2-21

36 orderable sizes

| | | |
|---|--|---|
| STANDARD EN 50525-2-21 | VOLTAGE CLASS 450/750 V | TEMPERATURE CLASS Higher temperature flexible service by compound selection |
| CONDUCTOR Class 5 flexible copper conductor | INSULATION / JACKET CSP or heat-resistant elastomer sheath | |

Construction

- 1 ■ Conductor (per core) – Class 5 flexible copper conductor · 30 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ Core insulation – EPR heat-resistant rubber insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – CSP or heat-resistant elastomer 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 |
|---|-------------------------------|-------------|---------------------|----------------------------|----------|--------------|------------------------------------|
| H07BN4-F 450/750 V 1 core 1.5 mm ² | Heat-resistant portable power | 1 core | 1.5 mm ² | 12.7 Ω/km | 11.9 mm | 0.21 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 2.5 mm ² | Heat-resistant portable power | 1 core | 2.5 mm ² | 7.6 Ω/km | 12.7 mm | 0.22 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 4 mm ² | Heat-resistant portable power | 1 core | 4 mm ² | 4.7 Ω/km | 13.5 mm | 0.24 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 6 mm ² | Heat-resistant portable power | 1 core | 6 mm ² | 3.1 Ω/km | 14.4 mm | 0.27 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 10 mm ² | Heat-resistant | 1 core | 10 mm ² | 1.83 Ω/km | 15.8 mm | 0.32 kg/m | 6 x OD fixed / 8 x |

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|--|-------------------------------|-------------|---------------------|----------------------------|----------|--------------|------------------------------------|
| | portable power | | | | | | OD mobile guide |
| H07BN4-F 450/750 V 1 core 16 mm² | Heat-resistant portable power | 1 core | 16 mm ² | 1.15 Ω/km | 17.5 mm | 0.40 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 25 mm² | Heat-resistant portable power | 1 core | 25 mm ² | 0.727 Ω/km | 19.5 mm | 0.52 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 35 mm² | Heat-resistant portable power | 1 core | 35 mm ² | 0.524 Ω/km | 21.3 mm | 0.65 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 1 core 50 mm² | Heat-resistant portable power | 1 core | 50 mm ² | 0.387 Ω/km | 23.6 mm | 0.84 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 1.5 mm² | Heat-resistant portable power | 3G | 1.5 mm ² | 12.7 Ω/km | 14.9 mm | 0.25 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 2.5 mm² | Heat-resistant portable power | 3G | 2.5 mm ² | 7.6 Ω/km | 15.6 mm | 0.29 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 4 mm² | Heat-resistant portable power | 3G | 4 mm ² | 4.7 Ω/km | 16.5 mm | 0.35 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 6 mm² | Heat-resistant portable power | 3G | 6 mm ² | 3.1 Ω/km | 17.4 mm | 0.42 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 10 mm² | Heat-resistant portable power | 3G | 10 mm ² | 1.83 Ω/km | 18.8 mm | 0.58 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 16 mm² | Heat-resistant portable power | 3G | 16 mm ² | 1.15 Ω/km | 20.5 mm | 0.81 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 25 mm² | Heat-resistant portable power | 3G | 25 mm ² | 0.727 Ω/km | 22.5 mm | 1.17 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 3G 35 mm² | Heat-resistant | 3G | 35 mm ² | 0.524 Ω/km | 24.3 mm | 1.55 kg/m | 6 x OD fixed / 8 x |

| Cable reference | Service duty | Core design | Conductor size | Max DC resistance at 20 °C | OD guide | Cable weight | Bend radius |
|---|-------------------------------|-------------|---------------------|----------------------------|----------|--------------|------------------------------------|
| | portable power | | | | | | OD mobile guide |
| H07BN4-F 450/750 V 3G 50 mm² | Heat-resistant portable power | 3G | 50 mm ² | 0.387 Ω/km | 26.6 mm | 2.14 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 1.5 mm² | Heat-resistant portable power | 4G | 1.5 mm ² | 12.7 Ω/km | 15.5 mm | 0.27 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 2.5 mm² | Heat-resistant portable power | 4G | 2.5 mm ² | 7.6 Ω/km | 16.3 mm | 0.32 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 4 mm² | Heat-resistant portable power | 4G | 4 mm ² | 4.7 Ω/km | 17.1 mm | 0.40 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 6 mm² | Heat-resistant portable power | 4G | 6 mm ² | 3.1 Ω/km | 18.0 mm | 0.50 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 10 mm² | Heat-resistant portable power | 4G | 10 mm ² | 1.83 Ω/km | 19.4 mm | 0.71 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 16 mm² | Heat-resistant portable power | 4G | 16 mm ² | 1.15 Ω/km | 21.1 mm | 1.02 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 25 mm² | Heat-resistant portable power | 4G | 25 mm ² | 0.727 Ω/km | 23.1 mm | 1.49 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 35 mm² | Heat-resistant portable power | 4G | 35 mm ² | 0.524 Ω/km | 24.9 mm | 2.01 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 4G 50 mm² | Heat-resistant portable power | 4G | 50 mm ² | 0.387 Ω/km | 27.2 mm | 2.79 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 1.5 mm² | Heat-resistant portable power | 5G | 1.5 mm ² | 12.7 Ω/km | 16.1 mm | 0.29 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 2.5 mm² | Heat-resistant | 5G | 2.5 mm ² | 7.6 Ω/km | 16.8 mm | 0.35 kg/m | 6 x OD fixed / 8 x |

| Cable reference | Service duty | Core design | Conductor size | Max DC resistance at 20 °C | OD guide | Cable weight | Bend radius |
|--|-------------------------------|-------------|--------------------|----------------------------|----------|--------------|------------------------------------|
| | portable power | | | | | | OD mobile guide |
| H07BN4-F 450/750 V 5G 4 mm² | Heat-resistant portable power | 5G | 4 mm ² | 4.7 Ω/km | 17.7 mm | 0.45 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 6 mm² | Heat-resistant portable power | 5G | 6 mm ² | 3.1 Ω/km | 18.6 mm | 0.58 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 10 mm² | Heat-resistant portable power | 5G | 10 mm ² | 1.83 Ω/km | 20.0 mm | 0.84 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 16 mm² | Heat-resistant portable power | 5G | 16 mm ² | 1.15 Ω/km | 21.7 mm | 1.23 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 25 mm² | Heat-resistant portable power | 5G | 25 mm ² | 0.727 Ω/km | 23.7 mm | 1.81 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 35 mm² | Heat-resistant portable power | 5G | 35 mm ² | 0.524 Ω/km | 25.5 mm | 2.46 kg/m | 6 x OD fixed / 8 x OD mobile guide |
| H07BN4-F 450/750 V 5G 50 mm² | Heat-resistant portable power | 5G | 50 mm ² | 0.387 Ω/km | 27.8 mm | 3.44 kg/m | 6 x OD fixed / 8 x OD mobile guide |