

HO7RNF Cable

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|--------------------------------|---|
| Applications: | Heavy duty trailing rubber flexible cable used to power electrical appliances and building sites. Resistant sheath means it can be used in refrigerating installations. Suitable for use in medium mechanical stress industrial workshop appliances, electrical tools, drills etc. |
| Conductors: | Plain annealed flexible copper |
| Insulation: | EPR (Ethylene propylene rubber) |
| Core identification: | single core: black 2 core: Blue & brown 3 core: Blue, brown & green/yellow 4 core: Black, brown, grey & green/yellow 5 core: Black, blue, brown, grey & green/yellow 7 cores and above are numbered |
| Sheath/Jacket: | PCP (Polychloroprene) more commonly referred to as OFR (Oil resistant & flame retardant) |
| Colour: | Black |
| Voltage: | 450/750v |
| Operating temperature: | Maximum 60°C, minimum bending -30°C |
| Minimum bending radius: | 6 x overall diameter for cables not exceeding 25mm O/D 8 x overall diameter for cables exceeding 25mm O/D |
| Standards: | BS6500: electrical cables for use with appliances and equipment intended for domestic, office and similar environments BS7919: Electric cables. Flexible cables rated up to 450/750V for use with appliances and equipment intended for industrial and similar environments Class 5 |



| Size sq.mm | Number of cores | RT of insulation mm | Nom diameter over laid up cores mm | Nom overall diameter mm | Weight kg/km | BATT Part no |
|------------|-----------------|---------------------|------------------------------------|-------------------------|--------------|--------------|
| 1.5 | 1 | - | - | - | - | 22443 |
| 4 | 1 | 1.0 | 4.7 | 7.8 | 115 | 22238 |
| 6 | 1 | 1.0 | 5.7 | 9.0 | 142 | 22257 |
| 10 | 1 | 1.2 | 7.1 | 10.8 | 219 | 22266 |
| 16 | 1 | 1.2 | 8.2 | 12.1 | 265 | 22099 |
| 25 | 1 | 1.4 | 10.0 | 14.1 | 381 | 22050 |
| 35 | 1 | 1.4 | 11.4 | 158.9 | 496 | 22102 |
| 50 | 1 | 1.6 | 13.6 | 18.5 | 684 | 22027 |
| 70 | 1 | 1.6 | 15.7 | 21.0 | 921 | 22029 |
| 95 | 1 | 1.8 | 18.2 | 23.9 | 1184 | 22067 |
| 120 | 1 | 1.8 | 19.7 | 25.8 | 1468 | 22031 |
| 150 | 1 | 2.0 | 22.1 | 28.6 | 1814 | 22082 |
| 185 | 1 | 2.2 | 24.5 | 31.5 | 2170 | 22083 |
| 240 | 1 | 2.4 | 27.9 | 35.1 | 2771 | 22084 |
| 300 | 1 | 2.6 | 31.2 | 38.7 | 3363 | 22085 |
| 400 | 1 | 2.8 | 35.7 | 43.5 | 4505 | 22462 |
| 500 | 1 | 3.0 | 39.6 | 47.8 | 5551 | 22509 |
| 630 | 1 | 3.0 | 43.1 | 51.5 | 7650 | - |
| 1.0 | 2 | 0.8 | 5.9 | 8.6 | 91 | 22010 |
| 1.5 | 2 | 0.8 | 6.5 | 9.6 | 112 | 22409 |
| 2.5 | 2 | 0.9 | 7.7 | 11.2 | 163 | 22009 |
| 4 | 2 | 1.0 | 9.5 | 13.2 | 223 | 22151 |
| 6 | 2 | 1.0 | 11.5 | 15.6 | 292 | 22260 |
| 10 | 2 | 1.2 | 14.3 | 20.6 | 527 | 22277 |
| 16 | 2 | 1.2 | 16.5 | 23.3 | 703 | 22278 |
| 25 | 2 | 1.4 | 20.1 | 27.4 | 1400 | 22286 |

| Size sq.mm | Number of cores | RT of insulation mm | Nom diameter over laid up cores mm | Nom overall diameter mm | Weight kg/km | BATT Part no |
|------------|-----------------|---------------------|------------------------------------|-------------------------|--------------|--------------|
| 1.0 | 3 | 0.8 | 6.4 | 9.3 | 109 | 22048 |
| 1.5 | 3 | 0.8 | 7.0 | 10.3 | 140 | 22056 |
| 2.5 | 3 | 0.9 | 8.3 | 12.0 | 199 | 22028 |
| 4 | 3 | 1.0 | 10.2 | 14.1 | 273 | 22008 |
| 6 | 3 | 1.0 | 12.3 | 16.6 | 361 | 22208 |
| 10 | 3 | 1.2 | 15.4 | 22.1 | 656 | 22015 |
| 16 | 3 | 1.2 | 17.7 | 24.8 | 903 | 22214 |
| 25 | 3 | 1.4 | 21.6 | 29.3 | 1318 | 22081 |
| 35 | 3 | 1.4 | 24.6 | 32.9 | 1745 | 22068 |
| 50 | 3 | 1.6 | 29.4 | 38.5 | 2404 | 22078 |
| 70 | 3 | 1.6 | 33.9 | 43.6 | 3208 | 22080 |
| 95 | 3 | 1.8 | 39.3 | 50.0 | 4166 | - |
| 120 | 3 | 1.8 | 42.5 | 53.9 | 6700 | - |
| 150 | 3 | 2.0 | 47.7 | 59.9 | 8000 | - |
| 185 | 3 | 2.2 | 52.9 | 65.9 | 9700 | - |
| 240 | 3 | 2.4 | 60.3 | 74.7 | 12400 | - |
| 300 | 3 | 2.6 | 67.6 | 83.2 | 15300 | - |
| 1.0 | 4 | 0.8 | 7.2 | 10.3 | 139 | 22294 |
| 1.5 | 4 | 0.8 | 7.8 | 11.4 | 173 | 22123 |
| 2.5 | 4 | 0.9 | 9.3 | 13.2 | 246 | 22319 |
| 4 | 4 | 1.0 | 11.4 | 15.5 | 339 | 22127 |
| 6 | 4 | 1.0 | 13.8 | 18.5 | 452 | 22131 |
| 10 | 4 | 1.2 | 17.2 | 24.1 | 814 | 22137 |
| 16 | 4 | 1.2 | 19.8 | 27.1 | 1138 | 22400 |
| 25 | 4 | 1.4 | 24.2 | 32.5 | 1684 | 22344 |
| 35 | 4 | 1.4 | 27.6 | 36.5 | 2191 | 22304 |
| 50 | 4 | 1.6 | 32.9 | 42.6 | 3033 | 22347 |
| 70 | 4 | 1.6 | 38.0 | 48.6 | 4095 | 22402 |
| 95 | 4 | 1.8 | 44.0 | 46.0 | 5315 | 22326 |
| 120 | 4 | 1.8 | 47.7 | 59.9 | 6519 | 22073 |
| 150 | 4 | 2.0 | 53.6 | 66.8 | 8108 | 22301 |
| 185 | 4 | 2.2 | 59.3 | 73.5 | 9772 | 22309 |
| 240 | 4 | 2.4 | 67.6 | 83.2 | 12557 | 22404 |
| 300 | 4 | 2.6 | 75.8 | 92.8 | 19600 | - |
| 1.5 | 5 | 0.8 | 8.8 | 12.5 | 214 | 22331 |
| 2.5 | 5 | 0.9 | 10.4 | 14.5 | 310 | 22341 |
| 4 | 5 | 1.0 | 12.7 | 17.2 | 424 | 22145 |
| 6 | 5 | 1.0 | 15.4 | 20.5 | 581 | 22308 |
| 10 | 5 | 1.2 | 19.2 | 26.5 | 1002 | 22389 |
| 16 | 5 | 1.2 | 22.2 | 30.1 | 1408 | 22403 |
| 25 | 5 | 1.4 | 27.1 | 36.1 | 2091 | 22171 |
| 35 | 5 | 1.4 | 30.9 | 40.5 | 2629 | 22377 |
| 50 | 5 | 1.6 | 36.9 | 47.3 | 3665 | 22399 |
| 70 | 5 | - | - | - | 4933 | 22416 |
| 95 | 5 | - | - | - | 6264 | 22378 |
| 1.5 | 7 | - | - | - | 216 | 22378 |
| 2.5 | 7 | 0.9 | 12.9 | 18.9 | 305 | 22037 |
| 4 | 7 | 1.0 | 15.8 | 21.6 | 618 | 22240 |
| 6 | 7 | 1.0 | 19.1 | 25.7 | 1090 | - |
| 10 | 7 | 1.2 | 23.8 | 31.6 | 1710 | - |
| 16 | 7 | 1.2 | 27.5 | 35.7 | 2330 | - |
| 25 | 7 | 1.4 | 33.6 | 43.2 | 3560 | - |
| 1.5 | 8 | 0.8 | 11.9 | 17.7 | 385 | - |
| 2.5 | 8 | 0.9 | 14.1 | 20.3 | 560 | - |
| 4.0 | 8 | 1.0 | 17.3 | 23.5 | 900 | - |
| 25 | 9 | - | - | - | - | 22074 |
| 1.5 | 12 | 0.8 | 13.5 | 19.5 | 485 | 22057 |
| 2.5 | 12 | 0.9 | 16.0 | 22.5 | 689 | 22013 |
| 4.0 | 12 | 1.0 | 19.6 | 26.2 | 1180 | - |

| Size sq.mm | Number of cores | RT of insulation mm | Nom diameter over laid up cores mm | Nom overall diameter mm | Weight kg/km | BATT Part no |
|------------|-----------------|---------------------|------------------------------------|-------------------------|--------------|--------------|
| 1.5 | 18 | 0.8 | 16.3 | 23.0 | 700 | - |
| 2.5 | 18 | 0.9 | 19.3 | 26.6 | 1020 | - |
| 4.0 | 18 | 1.0 | 23.6 | 31.0 | 1690 | - |
| 1.5 | 19 | - | - | - | 697 | 22350 |
| 2.5 | 19 | - | - | - | 1008 | 22353 |
| 1.5 | 21 | 0.8 | 18.4 | 25.5 | 885 | - |
| 2.5 | 21 | 0.9 | 21.8 | 29.7 | 1290 | - |
| 1.5 | 27 | 0.8 | 20.0 | 27.5 | 1090 | 22211 |
| 2.5 | 27 | 0.9 | 23.7 | 32.1 | 1590 | 22077 |
| 1.5 | 37 | 0.8 | 22.7 | 31.0 | 1300 | - |
| 2.5 | 37 | 0.9 | 27.2 | 38.7 | 2320 | - |
| 1.5 | 42 | 0.8 | 26.0 | 34.8 | 1660 | - |
| 2.5 | 42 | 0.9 | 30.8 | 40.6 | 2430 | - |