



H07RN-F/A07RN-F 450/750V Harmonized Rubber Cables

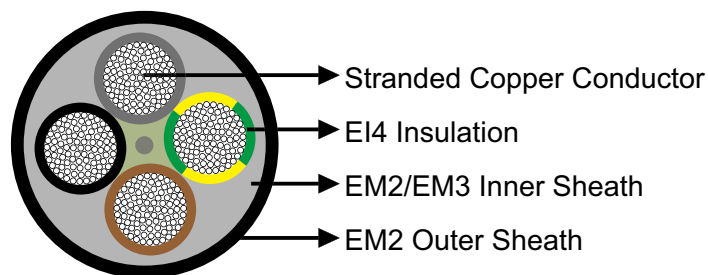
» Applications

These cables are designed for the connection of heating units, industrial tools, mobile equipment and machines, e.g. vulcanisation plates, hand-operated equipment, transportable motors etc., under normal mechanical loads in dry and damp areas, outdoors and in explosion hazard areas, as well as in industrial and agricultural applications and on building sites.

» Standards

DIN VDE 0282 Part1 and Part 4
HD 22.1
HD 22.4

» Construction



Conductors: Stranded copper conductor, class 5 according to DIN VDE 0295/HD 383 S2.

Insulation: Rubber type EI4 according to DIN VDE 0282 Part 1/HD 22.1.

Inner Sheath (for $\geq 10 \text{ mm}^2$ or more than 5 cores): NR/SBR rubber type EM1.

Outer Sheath: CR/PCP rubber type EM2.

» Dimensions and Weight

| Number of Cores×Nominal Cross Section | Insulation Thickness | Thickness of Inner Sheath | Thickness of Outer Sheath | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|----------------------|---------------------------|---------------------------|--------------------------|--------------------------|----------------|
| No. ×mm ² | mm | mm | mm | mm | mm | kg/km |
| 1×1.5 | 0.8 | - | 1.4 | 5.7 | 6.7 | 60 |
| 2×1.5 | 0.8 | - | 1.5 | 8.5 | 10.5 | 120 |

Caledonian Mining Cables

Cables for Underground Mining



| Number of Cores×Nominal Cross Section | Insulation Thickness | Thickness of Inner Sheath | Thickness of Outer Sheath | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|----------------------|---------------------------|---------------------------|--------------------------|--------------------------|----------------|
| No. ×mm ² | mm | mm | mm | mm | mm | kg/km |
| 3G1.5 | 0.8 | - | 1.6 | 9.2 | 11.2 | 170 |
| 4G1.5 | 0.8 | - | 1.7 | 10.2 | 12.5 | 210 |
| 5G1.5 | 0.8 | - | 1.8 | 11.2 | 13.5 | 260 |
| 7G1.5 | 0.8 | 1.0 | 1.6 | 14.0 | 17.0 | 360 |
| 12G1.5 | 0.8 | 1.2 | 1.7 | 17.6 | 20.5 | 515 |
| 19G1.5 | 0.8 | 1.4 | 2.1 | 20.7 | 26.3 | 795 |
| 24G1.5 | 0.8 | 1.4 | 2.1 | 24.3 | 28.5 | 920 |
| 1×2.5 | 0.9 | - | 1.4 | 6.3 | 7.5 | 75 |
| 2×2.5 | 0.9 | - | 1.7 | 10.2 | 12.5 | 170 |
| 3G2.5 | 0.9 | - | 1.8 | 10.9 | 13.0 | 230 |
| 4G2.5 | 0.9 | - | 1.9 | 12.1 | 14.5 | 290 |
| 5G2.5 | 0.9 | - | 2.0 | 13.3 | 16.0 | 360 |
| 7G2.5 | 0.9 | 1.1 | 1.7 | 17.0 | 20.0 | 510 |
| 12G2.5 | 0.9 | 1.2 | 1.9 | 20.6 | 23.5 | 740 |
| 19G2.5 | 0.9 | 1.5 | 2.2 | 24.4 | 30.9 | 1190 |
| 24G2.5 | 0.9 | 1.6 | 2.3 | 28.8 | 33.0 | 1525 |
| 1×4 | 1.0 | - | 1.5 | 7.2 | 8.5 | 100 |
| 2×4 | 1.0 | - | 1.8 | 11.8 | 14.5 | 195 |
| 3G4 | 1.0 | - | 1.9 | 12.7 | 15.0 | 305 |
| 4G4 | 1.0 | - | 2.0 | 14.0 | 17.0 | 400 |
| 5G4 | 1.0 | - | 2.2 | 15.6 | 19.0 | 505 |
| 1×6 | 1.0 | - | 1.6 | 7.9 | 9.5 | 130 |
| 2×6 | 1.0 | - | 2.0 | 13.1 | 16.0 | 285 |
| 3G6 | 1.0 | - | 2.1 | 14.1 | 17.0 | 380 |
| 4G6 | 1.0 | - | 2.3 | 15.7 | 19.0 | 550 |
| 5G6 | 1.0 | - | 2.5 | 17.5 | 21.0 | 660 |
| 1×10 | 1.2 | - | 1.8 | 9.5 | 11.5 | 195 |
| 2×10 | 1.2 | 1.2 | 1.9 | 17.7 | 21.5 | 565 |
| 3G10 | 1.2 | 1.3 | 2.0 | 19.1 | 22.5 | 715 |
| 4G10 | 1.2 | 1.4 | 2.0 | 20.9 | 24.5 | 875 |
| 5G10 | 1.2 | 1.4 | 2.2 | 22.9 | 27.0 | 1095 |
| 1×16 | 1.2 | - | 1.9 | 10.8 | 13.0 | 280 |
| 2×16 | 1.2 | 1.3 | 2.0 | 20.2 | 23.5 | 795 |
| 3G16 | 1.2 | 1.4 | 2.1 | 21.8 | 25.5 | 1040 |
| 4G16 | 1.2 | 1.4 | 2.2 | 23.8 | 28.0 | 1280 |
| 5G16 | 1.2 | 1.5 | 2.4 | 26.4 | 31.0 | 1610 |
| 1×25 | 1.4 | - | 2.0 | 12.7 | 15.0 | 405 |
| 4G25 | 1.4 | 1.6 | 2.2 | 28.9 | 33.0 | 1890 |
| 5G25 | 1.4 | 1.7 | 2.7 | 32.0 | 36.0 | 2335 |
| 1×35 | 1.4 | - | 2.2 | 14.3 | 17.0 | 545 |



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|---------------------------------------|----------------------|---------------------------|---------------------------|--------------------------|--------------------------|----------------|
| No. ×mm ² | mm | mm | mm | mm | mm | kg/km |
| 4G35 | 1.4 | 1.7 | 2.7 | 32.5 | 36.5 | 2505 |
| 5G35 | 1.4 | 1.8 | 2.8 | 35.0 | 39.5 | 2718 |
| 1×50 | 1.6 | - | 2.4 | 16.5 | 19.5 | 730 |
| 4G50 | 1.6 | 1.9 | 2.9 | 37.7 | 42.0 | 3350 |
| 5G50 | 1.6 | 2.1 | 3.1 | 41.0 | 46.0 | 3804 |
| 1×70 | 1.6 | - | 2.6 | 18.6 | 22.0 | 955 |
| 4G70 | 1.6 | 2.0 | 3.2 | 42.7 | 47.0 | 4785 |
| 1×95 | 1.8 | - | 2.8 | 20.8 | 24.0 | 1135 |
| 4G95 | 1.8 | 2.3 | 3.6 | 48.4 | 54.0 | 6090 |
| 1×120 | 1.8 | - | 3.0 | 22.8 | 26.5 | 1560 |
| 4G120 | 1.8 | 2.4 | 3.6 | 53.0 | 59.0 | 7550 |
| 5G120 | 1.8 | 2.8 | 4.0 | 59.0 | 65.0 | 8290 |
| 1×150 | 2.0 | - | 3.2 | 25.2 | 29.0 | 1925 |
| 4G150 | 2.0 | 2.6 | 3.9 | 58.0 | 64.0 | 8495 |
| 1×185 | 2.2 | - | 3.4 | 27.6 | 31.5 | 2230 |
| 4G185 | 2.2 | 2.8 | 4.2 | 64.0 | 71.0 | 9850 |
| 1×240 | 2.4 | - | 3.5 | 30.6 | 35.0 | 2945 |
| 1×300 | 2.6 | - | 3.6 | 33.5 | 38.0 | 3495 |
| 1×630 | 3.0 | - | 4.1 | 45.5 | 51.0 | 7020 |