



Doncaster Cables

H07RN-F

Thermosetting Rubber Insulated & Sheathed Flexibles




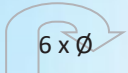



Manufactured to BS EN 50525-2-21:2011

Annealed Flexible Copper Conductor / EPR Rubber Insulated / Elastomer Rubber (Type EM2) Sheathed. 450/750V

| | |
|--------------------|---|
| Conductor : | Annealed Copper Class 5/6 Flexible to BS EN 60228 |
| Insulation: | EPR Rubber Compound |
| Sheathing: | Thermosetting Rubber Type EM2 |

These cables are designed to provide high flexibility and have the capacity to withstand harsh weather conditions, oil and greases, mechanical and thermal stress - therefore these cables are well suited for use in harsh industrial conditions.

Applications include handling equipment, mobile power supplies, worksites, stage and audio visual equipment and also port and dam areas. Due to the cables suitability for submersion under water it is also used for drainage and water treatment as well as electric motors and pumps in underwater conditions.

| | | | |
|--|---|--|---|
| STANDARD CORE COLOURS | MINIMUM OPERATING TEMPERATURE | MAXIMUM OPERATING TEMPERATURE | MINIMUM BENDING RADIUS |
| 2 CORE  |  |  |  |
| 3 CORE  | | | |
| 4 CORE  | | | |
| 5 CORE  | | | |



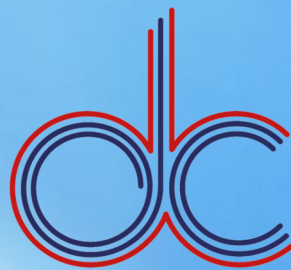
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Thermosetting Rubber Insulated & Sheathed Flexibles

| Reference Number | Harmonisation Code | Nominal Cross Sectional Area of Conductor | Nominal Stranding of Conductor (mm) | Nominal Radial Thickness of insulation (mm) | Nominal Radial Thickness of sheath (mm) | Overall Diameter Lower Limit (mm) | Overall Diameter Upper Limit (mm) | Approximate Weight (kg/km) |
|------------------|--------------------|---|-------------------------------------|---|---|-----------------------------------|-----------------------------------|----------------------------|
| HO7RNF6.01C | HO7RN-F | 6.0 | 84/0.3 | 1.0 | 1.6 | 7.9 | 9.8 | 130 |
| HO7RNF7101C | HO7RN-F | 10.0 | 80/0.4 | 1.2 | 1.8 | 9.5 | 11.9 | 190 |
| HO7RNF7161C | HO7RN-F | 16.0 | 126/0.4 | 1.2 | 1.9 | 10.8 | 13.4 | 259 |
| HO7RNF7251C | HO7RN-F | 25.0 | 196/0.4 | 1.4 | 2.0 | 12.7 | 15.8 | 396 |
| HO7RNF7351C | HO7RN-F | 35.0 | 276/0.4 | 1.4 | 2.2 | 14.3 | 17.9 | 520 |
| HO7RNF7501C | HO7RN-F | 50.0 | 396/0.4 | 1.6 | 2.4 | 16.5 | 20.6 | 719 |
| HO7RNF7701C | HO7RN-F | 70.0 | 360/0.5 | 1.6 | 2.6 | 18.6 | 23.3 | 947 |
| HO7RNF7951C | HO7RN-F | 95.0 | 475/0.5 | 1.8 | 2.8 | 20.8 | 26.0 | 1230 |
| HO7RNF81201C | HO7RN-F | 120.0 | 608/0.5 | 1.8 | 3.0 | 22.8 | 28.6 | 1445 |
| HO7RNF81501C | HO7RN-F | 150.0 | 756/0.5 | 2.0 | 3.2 | 25.2 | 31.4 | 1887 |
| HO7RNF81851C | HO7RN-F | 185.0 | 925/0.5 | 2.2 | 3.4 | 27.6 | 34.4 | 2274 |
| HO7RNF82401C | HO7RN-F | 240.0 | 1221/0.5 | 2.4 | 3.5 | 30.6 | 38.3 | 2955 |
| HO7RNF1.02C | HO7RN-F | 1.0 | 32/0.2 | 0.8 | 1.3 | 7.7 | 10.0 | 99 |
| HO7RNF1.52C | HO7RN-F | 1.5 | 30/0.25 | 0.8 | 1.5 | 8.5 | 11.0 | 130 |
| HO7RNF2.52C | HO7RN-F | 2.5 | 50/0.25 | 0.9 | 1.7 | 10.2 | 13.1 | 195 |
| HO7RNF4.02C | HO7RN-F | 4.0 | 56/0.3 | 1.0 | 1.8 | 11.8 | 15.1 | 280 |
| HO7RNF6.02C | HO7RN-F | 6.0 | 84/0.3 | 1.0 | 2.0 | 13.1 | 16.8 | 360 |
| HO7RNF1.03C | HO7RN-F | 1.0 | 32/0.2 | 0.8 | 1.4 | 8.3 | 10.7 | 125 |
| HO7RNF1.53C | HO7RN-F | 1.5 | 30/0.25 | 0.8 | 1.6 | 9.2 | 11.9 | 155 |
| HO7RNF2.53C | HO7RN-F | 2.5 | 50/0.25 | 0.9 | 1.8 | 10.9 | 14.0 | 235 |
| HO7RNF4.03C | HO7RN-F | 4.0 | 56/0.3 | 1.0 | 1.9 | 12.7 | 16.2 | 305 |
| HO7RNF6.03C | HO7RN-F | 6.0 | 84/0.3 | 1.0 | 2.1 | 14.1 | 18.0 | 495 |
| HO7RNF7103C | HO7RN-F | 10.0 | 80/0.4 | 1.2 | 3.3 | 19.1 | 24.2 | 810 |
| HO7RNF7163C | HO7RN-F | 16.0 | 126/0.4 | 1.2 | 3.5 | 21.8 | 27.6 | 1000 |
| HO7RNF7253C | HO7RN-F | 25.0 | 196/0.4 | 1.4 | 3.8 | 26.1 | 33.0 | 1250 |
| HO7RNF7353C | HO7RN-F | 35.0 | 276/0.4 | 1.4 | 4.1 | 29.3 | 37.1 | 1850 |

Weight and dimensional information is provided as an approximate guide only.



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EPR Insulated and PCP Sheathed Flexible Cords

| Reference Number | Harmonisation Code | Nominal Cross Sectional Area of Conductor | Nominal Stranding of Conductor (mm) | Nominal Radial Thickness of insulation (mm) | Nominal Radial Thickness of sheath (mm) | Overall Diameter Lower Limit (mm) | Overall Diameter Upper Limit (mm) | Approximate Weight (kg/km) |
|------------------|--------------------|---|-------------------------------------|---|---|-----------------------------------|-----------------------------------|----------------------------|
| HO7RNF1.54C | HO7RN-F | 1.5 | 30/0.25 | 0.8 | 1.7 | 10.2 | 13.1 | 190 |
| HO7RNF2.54C | HO7RN-F | 2.5 | 50/0.25 | 0.9 | 1.9 | 12.1 | 15.5 | 280 |
| HO7RNF4.04C | HO7RN-F | 4.0 | 56/0.3 | 1.0 | 2.0 | 14.0 | 17.9 | 380 |
| HO7RNF6.04C | HO7RN-F | 6.0 | 84/0.3 | 1.0 | 2.3 | 15.7 | 20.0 | 510 |
| HO7RNF7104C | HO7RN-F | 10.0 | 80/0.4 | 1.2 | 3.4 | 20.9 | 26.5 | 940 |
| HO7RNF7164C | HO7RN-F | 16.0 | 126/0.4 | 1.2 | 3.6 | 23.8 | 30.1 | 1250 |
| HO7RNF7254C | HO7RN-F | 25.0 | 196/0.4 | 1.4 | 4.1 | 28.9 | 36.6 | 1850 |
| HO7RNF7354C | HO7RN-F | 35.0 | 276/0.4 | 1.4 | 4.4 | 32.5 | 41.1 | 2310 |
| HO7RNF7504C | HO7RN-F | 50.0 | 396/0.4 | 1.6 | 4.8 | 37.7 | 47.5 | 3160 |
| HO7RNF7704C | HO7RN-F | 70.0 | 360/0.5 | 1.6 | 5.2 | 42.7 | 54.0 | 4250 |
| | | | | | | | | |
| HO7RNF1.55C | HO7RN-F | 1.5 | 30/0.25 | 0.8 | 1.8 | 11.2 | 14.4 | 230 |
| HO7RNF2.55C | HO7RN-F | 2.5 | 50/0.25 | 0.9 | 2.0 | 13.3 | 17.0 | 340 |
| HO7RNF4.05C | HO7RN-F | 4.0 | 56/0.3 | 1.0 | 2.2 | 15.6 | 19.9 | 470 |
| HO7RNF6.05C | HO7RN-F | 6.0 | 84/0.3 | 1.0 | 2.5 | 17.5 | 22.2 | 630 |
| HO7RNF7105C | HO7RN-F | 10.0 | 80/0.4 | 1.2 | 3.6 | 22.9 | 29.1 | 1150 |
| HO7RNF7165C | HO7RN-F | 16.0 | 126/0.4 | 1.2 | 3.9 | 26.4 | 33.3 | 1540 |
| HO7RNF7255C | HO7RN-F | 25.0 | 196/0.4 | 1.4 | 4.4 | 32.0 | 40.4 | 2200 |
| HO7RNF7355C | HO7RN-F | 35.0 | 276/0.4 | 1.4 | 4.6 | 35.7 | 45.1 | 2700 |
| | | | | | | | | |
| HO7RNF1.57C | HO7RN-F | 0.8 | 30/0.25 | 0.8 | 2.6 | 14.7 | 18.7 | 320 |
| HO7RNF2.57C | HO7RN-F | 0.9 | 50/0.25 | 0.8 | 2.8 | 17.1 | 21.8 | 470 |
| | | | | | | | | |
| HO7RNF1.512C | HO7RN-F | 0.8 | 30/0.25 | 0.8 | 2.9 | 17.6 | 22.4 | 450 |

Weight and dimensional information is provided as an approximate guide only.