



### ARFM Heavy Duty Multi Core Rubber Insulated and Sheathed Flexible Power Cables

| CONSTRUCTION                  |   |
|-------------------------------|---|
| <b>Conductors</b>             | Class 5 tinned copper according to AS/NZS 1125, IEC 60228 |
| <b>Insulation</b>             | Ethylene-propylene rubber (EPR) R-EP-90 90°C Conductor    |
| <b>Inner Sheath</b>           | EPDM Rubber (200m)  |
| <b>Outer Jacket</b>           | Chlorinated Polyethylene, CPE rubber compound             |
| <b>Voltage</b>                | 0.6/1kV   |
| <b>Sheath Colour</b>          | Black   |
| <b>Minimum Bending Radius</b> | 4 x D (fixed), 5 x D (mobile), D = outside diameter       |
| <b>Core Colours</b>           |   |
| <b>2 Core</b>                 | Blue, Brown   |
| <b>3 Core</b>                 | Green/Yellow, Blue, Brown                                 |
| <b>4 Core</b>                 | Green/Yellow, Brown, Black, Grey                          |
| <b>5 Core</b>                 | Red, White, Blue, Black & Green/Yellow                    |
| <b>7 Core</b>                 | Green/Yellow, other Cores Black with White Numbering      |
| <b>12 Core</b>                | Green/Yellow, other Cores Black with White Numbering      |

| FEATURES   |  |
|--|--|
| Submersible to 200mtrs   |  |
| Suitable for fresh water, salt water, sewage/contaminated water  |  |
| UV, Sunlight, oil and weather resistant                          |  |
| Flame retardant to IEC 60332-1-2:2004, EN60332-1-2-2004          |  |
| Temperature range -25°C to +90°C (mobile) -40°C to +90°C (fixed) |  |
| Maximum permissible short circuit temperature 1s 250°C           |  |

| APPLICATIONS  |  |
|---|--|
| Event & temporary cabling, fairgrounds, sporting venues |  |
| Flexible connections to motors, generators, compressors |  |
| Construction site leads                                 |  |
| Wet or oily environments                                |  |
| Mine sites and quarries                                 |  |
| Submersible pumps, limit switches                       |  |

| PACKAGING                            |  |
|--------------------------------------|--|
| <b>Standard Length Cable Packing</b> | 500m 1000m and Cut to Length available                               |
| <b>Standard Cable Markings</b>       | MTR MARK< ARISTOFLEX – 0.6/1kV > (No. of cores) x (mm <sup>2</sup> ) |

**Please Note**

Please consult with your Electrician / Engineer to ensure this cable is suitable for the intended application and installation.

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|                                   |  |                                   |
|-----------------------------------|--|-----------------------------------|
| <b>NSW</b>                        | <b>QLD</b>   | <b>VIC</b>                        |
| TEL 02 9602 4888 FAX 02 9602 4099 | TEL 07 3805 6455 FAX 07 3805 6433                                  | TEL 03 9558 1044 FAX 03 9551 5844 |
| EMAIL salesnsw@elconcables.com.au | EMAIL salesqld@elconcables.com.au                                  | EMAIL salesvic@elconcables.com.au |
| <b>WA</b>                         |  | <b>SA</b>                         |
| TEL 08 9358 1809 FAX 08 9358 2182 |  | TEL 08 8326 4833 FAX 08 8326 4855 |
| EMAIL saleswa@elconcables.com.au  | <a href="http://www.elconcables.com.au">www.elconcables.com.au</a> | EMAIL salessa@elconcables.com.au  |



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|          | Product Code | CSA mm <sup>2</sup> | Nominal Sheath Thickness mm | Max DC Resistance @20°C mΩ/KM | Amps ** | Nominal OD mm | Mass Kg/Km |
|----------|--------------|---------------------|-----------------------------|-------------------------------|---------|---------------|------------|
| 2 CORE   | ARFM2x1      | 1.0                 | 1.3                         | 20.0                          | 16      | 7.8           | 90         |
|          | ARFM2x1.5    | 1.5                 | 1.5                         | 13.7                          | 20      | 8.7           | 117        |
|          | ARFM2x2.5    | 2.5                 | 1.7                         | 8.21                          | 27      | 10.4          | 168        |
| 3 CORE   | ARFM3G1      | 1.0                 | 1.4                         | 20.0                          | 16      | 8.4           | 106        |
|          | ARFM3G1.5    | 1.5                 | 1.6                         | 13.7                          | 20      | 9.4           | 136        |
|          | ARFM3G2.5    | 2.5                 | 1.8                         | 8.21                          | 27      | 11.1          | 203        |
|          | ARFM3G4      | 4                   | 1.9                         | 5.09                          | 36      | 12.9          | 292        |
|          | ARFM3G6      | 6                   | 2.1                         | 3.39                          | 46      | 14.3          | 390        |
|          | ARFM3G10     | 10                  | 3.3                         | 1.95                          | 66      | 19.3          | 685        |
|          | ARFM3G16     | 16                  | 3.5                         | 1.24                          | 87      | 22.1          | 945        |
| 4 CORE   | ARFM4G1.5    | 1.5                 | 1.7                         | 13.7                          | 20      | 10.4          | 167        |
|          | ARFM4G2.5    | 2.5                 | 1.9                         | 8.21                          | 27      | 12.3          | 247        |
|          | ARFM4G4      | 4                   | 2.1                         | 5.09                          | 36      | 14.2          | 341        |
|          | ARFM4G6      | 6                   | 2.3                         | 3.39                          | 46      | 15.9          | 463        |
|          | ARFM4G10     | 10                  | 3.4                         | 1.95                          | 66      | 21.3          | 832        |
|          | ARFM4G16     | 16                  | 3.6                         | 1.24                          | 87      | 24.2          | 1167       |
|          | ARFM4G25     | 25                  | 4.1                         | 0.795                         | 116     | 29.3          | 1712       |
|          | ARFM4G35     | 35                  | 4.4                         | 0.565                         | 144     | 32.9          | 2192       |
|          | ARFM4G50     | 50                  | 4.8                         | 0.393                         | 182     | 38.2          | 3103       |
|          | ARFM4G70     | 70                  | 5.2                         | 0.277                         | 230     | 43.2          | 4145       |
| ARFM4G95 | 95           | 5.9                 | 0.21                        | 275                           | 49.1    | 5518          |            |
| 5 CORE   | ARFM5G1.5    | 1.5                 | 1.8                         | 13.7                          | 20      | 11.5          | 205        |
|          | ARFM5G2.5    | 2.5                 | 2.1                         | 8.21                          | 27      | 13.5          | 306        |
|          | ARFM5G4      | 4                   | 2.2                         | 5.09                          | 36      | 15.9          | 421        |
|          | ARFM5G6      | 6                   | 2.5                         | 3.39                          | 46      | 17.9          | 581        |
|          | ARFM5G10     | 10                  | 3.6                         | 1.95                          | 66      | 22.3          | 1025       |
|          | ARFM5G16     | 16                  | 3.9                         | 1.24                          | 87      | 26.9          | 1440       |
|          | ARFM5G25     | 25                  | 4.4                         | 0.795                         | 116     | 32.5          | 2106       |
|          | ARFM5G35     | 35                  | 4.6                         | 0.565                         | 144     | 38.1          | 2619       |
|          | ARFM5G50     | 50                  | 5.2                         | 0.393                         | 182     | 44.5          | 3659       |
|          | ARFM5G70     | 70                  | 5.6                         | 0.277                         | 230     | 49.4          | 5032       |
| ARFM5G95 | 95           | 6.5                 | 0.21                        | 275                           | 58.1    | 6728          |            |
| 7 CORE   | ARFM7G1.5    | 1.5                 | 2.5                         | 13.7                          | 20      | 14.5          | 328        |
|          | ARFM7G2.5    | 2.5                 | 2.7                         | 8.21                          | 27      | 16.9          | 470        |
| 12 CORE  | ARFM12G1.5   | 1.5                 | 2.9                         | 13.7                          | 20      | 18.3          | 485        |
|          | ARFM12G2.5   | 2.5                 | 3.1                         | 8.21                          | 27      | 19.1          | 708        |

**Please Note\*\***

Amperage ratings specified are in accordance with AS/NZS 3008.1.1.2009 Table 14 (Flexible "Spaced").

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 EMAIL salesnsw@elconcables.com.au

**WA**  
 TEL 08 9358 1809 FAX 08 9358 2182  
 EMAIL saleswa@elconcables.com.au

**QLD**  
 TEL 07 3805 6455 FAX 07 3805 6433  
 EMAIL salesqld@elconcables.com.au

[www.elconcables.com.au](http://www.elconcables.com.au)

**VIC**  
 TEL 03 9558 1044 FAX 03 9551 5844  
 EMAIL salesvic@elconcables.com.au

**SA**  
 TEL 08 8326 4833 FAX 08 8326 4855  
 EMAIL salessa@elconcables.com.au