



## FMR 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                                |
| 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>       | ELFLEX R-EP-90 ELECTRIC CABLE 0.6/1kV > (No. of cores) x (mm <sup>2</sup> ) >MTR MARK< |

#### Please Note

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

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#### NSW

Tel: 02 9602 4888 Fax: 02 9602 4099  
Email: salesnsw@elconcables.com.au

#### QLD

Tel: 07 3805 6455 Fax: 07 3805 6433  
Email: salesqld@elconcables.com.au

#### VIC

Tel: 03 9558 1044 Fax: 03 9551 5844  
Email: salesvic@elconcables.com.au

#### WA

Tel: 08 9358 1809 Fax: 08 9358 2182  
Email: saleswa@elconcables.com.au

#### SA

Tel: 08 8326 4833 Fax 08 83264855  
Email: salessa@elconcables.com.au



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

|         | Product Code | CSA mm <sup>2</sup> | Nominal Sheath Thickness mm | Max DC Resistance @20°C mK/KM | Amps ** | Nominal OD mm | Mass Kg/Km |
|---------|--------------|---------------------|-----------------------------|-------------------------------|---------|---------------|------------|
| 2 CORE  | FMR2x1       | 1.0                 | 1.3                         | 20.0                          | 16      | 8.4           | 103        |
|         | FMR2x1.5     | 1.5                 | 1.5                         | 13.7                          | 20      | 8.7           | 117        |
|         | FMR2x2.5     | 2.5                 | 1.7                         | 8.21                          | 27      | 11.0          | 182        |
| 3 CORE  | FMR3G1       | 1.0                 | 1.4                         | 20.0                          | 16      | 9.0           | 123        |
|         | FMR3G1.5     | 1.5                 | 1.6                         | 13.7                          | 20      | 10.3          | 158        |
|         | FMR3G2.5     | 2.5                 | 1.8                         | 8.21                          | 27      | 12.0          | 222        |
|         | FMR3G4       | 4                   | 1.9                         | 5.09                          | 36      | 13.4          | 299        |
|         | FMR3G6       | 6                   | 2.1                         | 3.39                          | 46      | 15.1          | 393        |
|         | FMR3G10      | 10                  | 3.3                         | 1.95                          | 66      | 19.3          | 685        |
|         | FMR3G16      | 16                  | 3.5                         | 1.24                          | 87      | 22.1          | 945        |
| 4 CORE  | FMR4G1.5     | 1.5                 | 1.7                         | 13.7                          | 20      | 11.1          | 189        |
|         | FMR4G2.5     | 2.5                 | 1.9                         | 8.21                          | 27      | 12.8          | 270        |
|         | FMR4G4       | 4                   | 2.1                         | 5.09                          | 36      | 14.9          | 368        |
|         | FMR4G6       | 6                   | 2.3                         | 3.39                          | 46      | 16.9          | 490        |
|         | FMR4G10      | 10                  | 3.4                         | 1.95                          | 66      | 23.3          | 832        |
|         | FMR4G16      | 16                  | 3.6                         | 1.24                          | 87      | 24.2          | 1167       |
|         | FMR4G25      | 25                  | 4.1                         | 0.795                         | 116     | 29.3          | 1712       |
|         | FMR4G35      | 35                  | 4.4                         | 0.565                         | 144     | 32.9          | 2192       |
|         | FMR4G50      | 50                  | 4.8                         | 0.393                         | 182     | 38.2          | 3103       |
|         | FMR4G70      | 70                  | 5.2                         | 0.277                         | 230     | 43.2          | 4145       |
|         | FMR4G95      | 95                  | 5.9                         | 0.21                          | 275     | 49.1          | 5518       |
| 5 CORE  | FMR5G1.5     | 1.5                 | 1.8                         | 13.7                          | 20      | 11.5          | 205        |
|         | FMR5G2.5     | 2.5                 | 2.1                         | 8.21                          | 27      | 13.5          | 306        |
|         | FMR5G4       | 4                   | 2.2                         | 5.09                          | 36      | 15.9          | 421        |
|         | FMR5G6       | 6                   | 2.5                         | 3.39                          | 46      | 18.5          | 620        |
|         | FMR5G10      | 10                  | 3.6                         | 1.95                          | 66      | 22.3          | 1025       |
|         | FMR5G16      | 16                  | 3.9                         | 1.24                          | 87      | 26.9          | 1440       |
|         | FMR5G25      | 25                  | 4.4                         | 0.795                         | 116     | 32.5          | 2106       |
|         | FMR5G35      | 35                  | 4.6                         | 0.565                         | 144     | 38.1          | 2619       |
|         | FMR5G50      | 50                  | 5.2                         | 0.393                         | 182     | 44.5          | 3659       |
|         | FMR5G70      | 70                  | 5.6                         | 0.277                         | 230     | 49.4          | 5032       |
|         | FMR5G95      | 95                  | 6.5                         | 0.21                          | 275     | 58.1          | 6728       |
| 7 CORE  | FMR7G1.5     | 1.5                 | 2.5                         | 13.7                          | 20      | 14.5          | 328        |
|         | FMR7G2.5     | 2.5                 | 2.7                         | 8.21                          | 27      | 16.9          | 470        |
| 12 CORE | FMR12G1.5    | 1.5                 | 2.9                         | 13.7                          | 20      | 18.3          | 485        |
|         | FMR12G2.5    | 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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TEL 07 3805 6455 FAX 07 3805 6433

EMAIL salesqld@elconcables.com.au

### VIC

TEL 03 9558 1044 FAX 03 9551 5844

EMAIL salesvic@elconcables.com.au

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TEL 08 8326 4833 FAX 08 8326 4855

EMAIL salessa@elconcables.com.au

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