



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

MULTI CORE  
FLEX RUBBER

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>Submersible Rating</b>	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.

Elcon Cables takes every precaution to ensure the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

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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
<b>2 Core</b>						
FMR2X0.75	0.75	1.3	26.7	10	6.3	70
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
<b>3 Core</b>						
FMR3G0.75	0.75	0.9	26.7	10	6.9	75
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
<b>4 Core</b>						
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
<b>5 Core</b>						
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
<b>7 Core</b>						
FMR7G1.5	1.5	2.5	13.7	20	14.5	328
FMR7G2.5	2.5	2.7	8.21	27	16.9	470
<b>12 Core</b>						
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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