



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

CONSTRUCTION

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

Standard Length Cable Packing	500m 1000m and Cut to Length available
Standard Cable Markings	ELFLEX R-EP-90 ELECTRIC CABLE 0.6/1kV > (No. of cores) x (mm ²) >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 ²	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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