

Fire Rated Cables - Multi Core Flexible

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Rated Cables Multi Core, Flexible

Application: Flexible single core, halogen free, low smoke, low toxic and corrosive emission, flame retardant cable for mains, submains and the fire protection industry.

Conductor: Plain annealed copper (Class 2 of IEC60228)

Insulation: Mica glass tape

Material: XLPE

Color: Flame retardant (black), LSZH compound

Voltage: 0.6/1 kV

Standards: AS/NZS 3013 Category WS52W, ICE 60322-3 and BS6387

Lengths: 100m, 200m, 500m

Note: Other types or other lengths of the above cables can be manufactured according to Customer's specifications.



Typical Features

Electra Cables Code	Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	OD mm	Min. Bending Radius A for 1 sec	Short Circuit @ 50Hz	Voltage Drop (mV/Am)	Current Rating (A)	Mass kg/km	Order Now
FRC2015	2x1.5	0.7	1.8	11.9	240	198	31.9	24	180	
FRC2015E	2x1.5-i-1.5	0.7,0.7E	1.8	12.4	250	198	31.9	24	175	
FRC2025E	2x2.5-i-2.5	0.7,0.7E	1.8	13.5	270	330	17.4	33	224	
FRC2040E	2x4-i-2.5	0.7,0.7E	1.8	14.2	285	528	10.8	44	261	
FRC2060E	2x6-i-2.5	0.7,0.7E	1.8	15.1	305	792	7.22	56	310	
FRC2100E	2x10-i-4	0.7,0.7E	1.8	16.8	340	1320	4.3	75	410	
FRC2160E	2x16-i-6	0.7,0.7E	1.8	18.8	390	2112	2.7	98	560	
FRC2250E	2x25-i-6	0.9,0.7E	1.8	22.5	450	3300	1.72	127	790	
FRC2350E	2x35-i-10	0.9,0.7E	1.8	24.6	515	4600	1.24	158	1025	
FRC2500E	2x50-i-16	1.0,0.7E	1.8	27.5	550	6600	0.924	192	1350	
FRC2700E	2x70-i-25	1.1,0.9E	2	31.7	635	9240	0.65	246	1910	
FRC2950E	2x95-i-25	1.1,0.9E	2.1	35.8	720	12540	0.481	298	2440	
FRC21200E	2x120-i-35	1.2,0.9E	2.2	39.7	795	15840	0.392	346	3080	

Typical Features

Electra Cables Code	Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	OD ±10%	Min. Bending Radius A for 1 mm	Short Circuit sec	Voltage Drop (mV/Am) @ 50Hz	Current Rating (A)	Mass kg/km	Order Now
FRC3015E	3x1.5+1.5	0.7,0.7E	1.8	13.4	270	198	31.9	24	211	
FRC3025E	3x2.5+2.5	0.7,0.7E	1.8	14.6	295	330	17.4	33	272	
FRC3040E	3x4+2.5	0.7,0.7E	1.8	15.7	315	528	10.8	44	332	
FRC3060E	3x6+2.5	0.7,0.7E	1.8	16.7	335	792	7.22	56	402	
FRC3100E	3x10+4	0.7,0.7E	1.8	18.6	375	1320	4.3	75	540	
FRC3160E	3x16+6	0.7,0.7E	1.8	20.8	420	2112	2.7	98	750	
FRC3250E	3x25+6	0.9,0.7E	1.8	24.2	485	3300	1.72	127	1080	
FRC3350E	3x35+10	0.9,0.7E	1.8	26.7	535	4600	1.24	158	1410	
FRC3500E	3x50+16	1.0,0.7E	1.9	30.2	605	6600	0.924	192	1865	
FRC3700E	3x70+25	1.1,0.9E	2	35.3	710	9240	0.65	246	2630	
FRC3950E	3x95+25	1.1,0.9E	2.1	38.8	780	12540	0.481	298	3380	
FRC31200E	3x120+35	1.2,0.9E	2.2	43	860	15840	0.392	346	4270	
FRC31500E	3x150+50	1.4,1.0E	2.4	47.8	960	19800	0.331	395	5300	
FRC31850E	3x185+70	1.6,1.1E	2.6	53.7	1075	24420	0.28	450	6790	
FRC32400E	3x240+95	1.7,1.1E	2.8	60.1	1205	31680	0.235	538	8710	
FRC33000E	3x300+120	1.8,1.2E	3	66.6	1335	38600	0.208	582	10970	
FRC4015E	4x1.5+1.5	0.7,0.7E	1.8	14.5	290	198	31.9	24	246	
FRC4025E	4x2.5+2.5	0.7,0.7E	1.8	15.9	320	330	17.4	33	323	
FRC4040E	4x4+2.5	0.7,0.7E	1.8	17	340	528	10.8	44	397	
FRC4060E	4x6+2.5	0.7,0.7E	1.8	18.2	365	792	7.22	56	490	
FRC4100E	4x10+4	0.7,0.7E	1.8	20.4	410	1320	4.3	75	665	
FRC4160E	4x16+6	0.7,0.7E	1.8	22.9	460	2112	2.7	98	935	
FRC4250E	4x25+6	0.9,0.7E	1.8	26.8	540	3300	1.72	127	1360	
FRC4350E	4x35+10	0.9,0.7E	1.8	29.9	600	4600	1.24	158	1795	
FRC4500E	4x50+16	1.0,0.7E	1.9	33.8	680	6600	0.924	192	2420	
FRC4700E	4x70+25	1.1,0.9E	2.1	39.4	790	9240	0.65	246	3430	
FRC4950E	4x95+25	1.1,0.9E	2.3	43.7	875	12540	0.481	298	4500	
FRC41200E	4x120+35	1.2,0.9E	2.4	48.4	970	15840	0.392	346	5680	
FRC41500E	4x150+50	1.4,1.0E	2.6	53.8	1080	19800	0.331	395	7010	
FRC41850E	4x185+70	1.6,1.1E	2.8	60.3	1210	24420	0.28	450	8980	
FRC42400E	4x240+95	1.7,1.1E	3	67.5	1350	31680	0.235	538	11500	
FRC43000E	4x300+120	1.8,1.2E	3.3	74.9	1500	38600	0.208	582	14370	

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