

110°C Fire Rated Cables--Multicore

0.6/1 kV CU/MICA/ X-HF-110/ HFS-110-TP



Application: Flexible multicore Halogen free, low smoke, low toxic and noncorrosive emission, flame retardant cable for mains, Submains and the fire protection industry. Independently tested AS/NZS 3013:1995-**Category WS52W**, IEC 60332-3 and BS6387.

Conductor: Plain annealed copper (Class 5 of IEC60228)

Fire resistant Barrier: Mica Glass Tape

Insulation: X-HF-110

Insulation colour:

2Cores+E: Red, Black, Green/Yellow

3Cores+E: Red, White, Blue, Green/Yellow

4Cores+E: Red, White, Blue, Black, Green/Yellow

Sheath: HFS-110-TP, Flame retardant

Sheath colour: Orange

Normal Operating Temperature: 110°C

Cable Specification:

Electra Code	Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	OD ±10%	Min. Bending Radius mm	Short Circuit A for 1 sec	Voltage Drop@ 50Hz mV/Am	Current Rating (A)	Mass kg/km
FRC2015E	2×1.5+1.5	0.7,0.7E	1.8	12.4	250	181	36.8	23	175
FRC2025E	2×2.5+2.5	0.7,0.7E	1.8	13.5	270	330	20.1	33	224
FRC2040E	2×4+2.5	0.7,0.7E	1.8	14.2	285	528	12.5	44	261
FRC2060E	2×6+2.5	0.7,0.7E	1.8	15.1	305	792	8.35	56	310
FRC2100E	2×10+4	0.7,0.7E	1.8	16.8	340	1320	4.30	75	410
FRC2160E	2×16+6	0.7,0.7E	1.8	18.8	390	2112	2.70	98	560
FRC2250E	2×25+6	0.9,0.7E	1.8	22.5	450	3300	1.72	127	790
FRC2350E	2×35+10	0.9,0.7E	1.8	24.6	515	4600	1.24	158	1025
FRC2500E	2×50+16	1.0,0.7E	1.8	27.5	550	6600	0.924	192	1350
FRC2700E	2×70+25	1.1,0.9E	2.0	31.7	635	9240	0.650	246	1910
FRC2950E	2×95+25	1.1,0.9E	2.1	35.8	720	12540	0.481	298	2440
FRC21200E	2×120+35	1.2,0.9E	2.2	39.7	795	15840	0.392	346	3080



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

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FRC3015E	3×1.5+1.5	0.7,0.7E	1.8	13.4	270	181	36.8	23	211
FRC3025E	3×2.5+2.5	0.7,0.7E	1.8	14.6	295	330	20.1	33	272
FRC3040E	3×4+2.5	0.7,0.7E	1.8	15.7	315	528	12.5	44	332
FRC3060E	3×6+2.5	0.7,0.7E	1.8	16.7	335	792	8.35	56	402
FRC3100E	3×10+4	0.7,0.7E	1.8	18.6	375	1320	4.30	75	540
FRC3160E	3×16+6	0.7,0.7E	1.8	20.8	420	2112	2.70	98	750
FRC3250E	3×25+6	0.9,0.7E	1.8	24.2	485	3300	1.72	127	1080
FRC3350E	3×35+10	0.9,0.7E	1.8	26.7	535	4600	1.24	158	1410
FRC3500E	3×50+16	1.0,0.7E	1.9	30.2	605	6600	0.924	192	1865
FRC3700E	3×70+25	1.1,0.9E	2.0	35.3	710	9240	0.650	246	2630
FRC3950E	3×95+25	1.1,0.9E	2.1	38.8	780	12540	0.481	298	3380
FRC31200E	3×120+35	1.2,0.9E	2.2	43.0	860	15840	0.392	346	4270
FRC31500E	3×150+50	1.4,1.0E	2.4	47.8	960	19800	0.331	395	5300
FRC31850E	3×185+70	1.6,1.1E	2.6	53.7	1075	24420	0.280	450	6790
FRC32400E	3×240+95	1.7,1.1E	2.8	60.1	1205	31680	0.235	538	8710
FRC33000E	3×300+120	1.8,1.2E	3.0	66.6	1335	38600	0.208	582	10970
FRC4015E	4×1.5+1.5	0.7,0.7E	1.8	14.5	290	181	36.8	23	246
FRC4025E	4×2.5+2.5	0.7,0.7E	1.8	15.9	320	330	20.1	33	323
FRC4040E	4×4+2.5	0.7,0.7E	1.8	17.0	340	528	12.5	44	397
FRC4060E	4×6+2.5	0.7,0.7E	1.8	18.2	365	792	8.35	56	490
FRC4100E	4×10+4	0.7,0.7E	1.8	20.4	410	1320	4.30	75	665
FRC4160E	4×16+6	0.7,0.7E	1.8	22.9	460	2112	2.70	98	935
FRC4250E	4×25+6	0.9,0.7E	1.8	26.8	540	3300	1.72	127	1360
FRC4350E	4×35+10	0.9,0.7E	1.8	29.9	600	4600	1.24	158	1795
FRC4500E	4×50+16	1.0,0.7E	1.9	33.8	680	6600	0.924	192	2420
FRC4700E	4×70+25	1.1,0.9E	2.1	39.4	790	9240	0.650	246	3430
FRC4950E	4×95+25	1.1,0.9E	2.3	43.7	875	12540	0.481	298	4500
FRC41200E	4×120+35	1.2,0.9E	2.4	48.4	970	15840	0.392	346	5680
FRC41500E	4×150+50	1.4,1.0E	2.6	53.8	1080	19800	0.331	395	7010
FRC41850E	4×185+70	1.6,1.1E	2.8	60.3	1210	24420	0.280	450	8980
FRC42400E	4×240+95	1.7,1.1E	3.0	67.5	1350	31680	0.235	538	11500
FRC43000E	4×300+120	1.8,1.2E	3.3	74.9	1500	38600	0.208	582	14370



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