



Fire Rated Cables 2C+E

Standard: AS/NZS 3013 WS52W, AS/NZS 5000.1, AS/NZS 1125,
AS/NZS 1660, AS/NZS 3808, AS/NZS 4507

Voltage: 0.6/1kV

Conductor: Plain Annealed Copper(Class 5)

Fire resistant layer: Mica tape

Flame Propagation: IEC 60332-3 cat A
IEC 60332-1

Insulation: X-HF-110 (Red, Black, Green / Yellow)

Sheath: HFS-110-TP (Red) UV Resistant

Green Star: PVC Free



Core x cross-section mm ²	Conductor diameter		mica tape layer*thickness no*mm	Nominal insulation thickness		Nominal sheath thickness mm	Approx. overall diameter mm	Approx. weight kg/km	Product code
	phase mm	earth mm		phase mm	earth mm				
2×2.5+1×2.5E	0.20	0.20	2*0.14	0.7	0.6	1.8	13.3	188	FR2C0025E
2×4+1×2.5E	0.30	0.20	2*0.14	0.7	0.6	1.8	14.1	222	FR2C0040E
2×6+1×2.5E	0.30	0.20	2*0.14	0.7	0.6	1.8	15.0	268	FR2C0060E
2×10+1×4E	0.40	0.30	2*0.14	0.7	0.7	1.8	17.6	390	FR2C0100E
2×16+1×6E	0.40	0.30	2*0.14	0.7	0.7	1.8	19.8	541	FR2C0160E
2×25+1×6E	0.40	0.30	2*0.14	0.9	0.7	1.8	23.6	762	FR2C0250E
2×35+1×10E	0.40	0.40	2*0.14	0.9	0.7	1.8	25.9	1012	FR2C0350E
2×50+1×16E	0.40	0.40	2*0.14	1.0	0.7	1.8	29.9	1418	FR2C0500E
2×70+1×25E	0.50	0.40	2*0.14	1.1	0.9	1.8	33.9	1951	FR2C0700E
2×95+1×25E	0.50	0.40	2*0.14	1.1	0.9	1.9	37.8	2467	FR2C0950E

Conductor Size (mm ²)	Min. Bending Radius mm	Current Rating (A)				Electrical Characteristics
		Spaced Unenclosed	Touching Unenclosed	Metallic wiring enclosure in air	Underground Duct One Duct	Maximum DC Resistance 20°C Ω/km
2.5	80	40	38	32	37	7.98
4	85	53	50	43	49	4.95
6	90	67	63	54	62	3.3
10	106	94	88	75	84	1.91
16	119	124	116	100	109	1.21
25	142	163	154	129	139	0.78
35	155	202	190	163	171	0.554
50	179	254	238	202	209	0.386
70	203	318	299	257	259	0.272
95	227	381	357	303	304	0.206

Based on 110°C conductor temperature, 40°C ambient air temperature and where applicable, burial depth of 0.5 m, soil temperature of 25°C and soil thermal resistivity of 1.2°C.m/W. Refer to AS/NZS 3008.1.1:2017 for other installation conditions