



## Fire Rated Cables Mica tape/X-HF-110/HFS-110-TP Single Core

**Series:** FR

**Standard:** AS/NZS 3013 WS52W, AS/NZS 5000.1

**Voltage:** 0.6/1kV

**Conductor:** Plain Annealed Copper(Class 5)

**Fire resistant layer:** Mica tape

**Insulation:** X-HF-110(Natural)

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



Core x cross-section mm <sup>2</sup>	Min. Bending Radius mm	Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. overall diameter mm	Approx. weight kg/km	Product code
1×10	0.40	0.7	1.4	9.5	159	FR1C0100
1×16	0.40	0.7	1.4	10.5	218	FR1C0160
1×25	0.40	0.9	1.4	12.2	351	FR1C0250
1×35	0.40	0.9	1.4	13.5	445	FR1C0350
1×50	0.40	1.0	1.4	15.2	595	FR1C0500
1×70	0.50	1.1	1.4	17.2	790	FR1C0700
1×95	0.50	1.1	1.5	19.1	1011	FR1C0950
1×120	0.50	1.2	1.5	21.0	1259	FR1C1200
1×150	0.50	1.4	1.6	23.3	1551	FR1C1500
1×185	0.50	1.6	1.6	25.4	1858	FR1C1850
1×240	0.50	1.7	1.7	28.6	2410	FR1C2400
1×300	0.50	1.8	1.8	31.4	2978	FR1C3000
1×400	0.50	2.0	1.9	35.5	3870	FR1C4000
1×500	0.50	2.2	2.0	39.4	4960	FR1C5000
1×630	0.50	2.4	2.2	44.9	6540	FR1C6300

Conductor Size mm <sup>2</sup>	Min. installed Bending Radius mm	Current Rating (A)				Maximum DC Resistance 20°C Ω/km	Three phase Voltage Drop (@ 50Hz & 90°C) mV/A.m
		in Air Touching	in Air Enclosed	Spaced	In Ground Enclosed		
1×10	60	80	70	99	76	1.91	4.48
1×16	72	105	91	130	97	1.21	2.84
1×25	84	139	121	173	125	0.78	1.84
1×35	97	172	148	214	151	0.554	1.31
1×50	108	218	190	270	188	0.387	0.926
1×70	120	273	234	340	229	0.272	0.658
1×95	130	329	277	410	268	0.206	0.509
1×120	145	390	331	487	316	0.161	0.408
1×150	152	450	378	562	357	0.129	0.34
1×185	170	516	438	644	404	0.106	0.293
1×240	192	621	538	775	481	0.0801	0.242
1×300	211	716	612	895	542	0.0641	0.213
1×400	257	860	757	1079	648	0.0486	0.184
1×500	275	999	864	1260	729	0.0384	0.171
1×630	302	1168	993	1493	828	0.0287	0.161

in the air: when working temperature is 110°C and the ambient temperature is 40°C.

underground: when soil thermal resistivity is 1.0K·m/W ,working temperature is 110°C and the ambient temperature is 25°C.