

## FR3013 Flexible Single Core Fire Rated Cables

### Technical Data

0.6/1kV, Class 5, Copper Conductor, Mica Glass Taped, X-HF-110 Insulated, HFS-110-TP Outer Sheathed, Electric Cable Conforming to AS/NZS 5000.1 & AS/NZS 3013 specification.

Nominal cross-sectional area of Conductor	Nominal thickness of Insulation (Main Core)	Nominal thickness of Sheath	Approximate Overall Diameter	Approximate Cable Net Weight	Maximum DC resistance at 20°C	Classification to AS/NZS 3013
mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	WS Rating
1x6	0.7	1.4	9.2	138	3.3	WS52W
1x10	0.7	1.4	10.2	188	1.91	WS52W
1x16	0.7	1.4	11.2	252	1.21	WS52W
1x25	0.9	1.4	13.1	365	0.78	WS52W
1x35	0.9	1.4	14.4	459	0.554	WS52W
1x50	1	1.4	16.1	621	0.386	WS52W
1x70	1.1	1.41	18	841	0.272	WS52W
1x95	1.1	1.5	19.9	1060	0.206	WS52W
1x120	1.2	1.52	21.7	1310	0.161	WS52W
1x150	1.4	1.6	23.2	1596	0.129	WS52W
1x185	1.6	1.7	26.2	2033	0.106	WS52W
1x240	1.7	1.8	29.2	2531	0.0801	WS52W
1x300	1.8	1.8	32.1	3158	0.0641	WS52W
1x400	2	2	36.2	4092	0.0486	WS52W
1x500	2.2	2.1	39.1	5111	0.0384	WS52W
1x630	2.4	2.2	43	6210	0.0283	WS52W

Conductor Size (mm <sup>2</sup> )	Unenclosed				Enclosed			Buried		Underground	
	Spaced	Spaced from Surface	Touching	Exposed to sun	Metallic Wiring Enclosure in Air	In Metal Wiring Enclosure or Unenclosed Partially Surrounded by Thermal Insulation	Completely Surrounded by Thermal Insulation	Buried Direct	Non-Metallic Wiring Enclosures Insulation	Non-Metallic Wiring Enclosures Insulation	
1	25	22	21	18	18	14	10	18	21	24	
1.5	31	27	26	22	23	18	13	23	26	30	
2.5	42	36	34	29	31	25	18	32	34	42	
4	55	48	45	38	40	33	23	42	44	54	
6	70	61	57	48	50	41	30	52	55	67	
10	99	85	80	67	70	57	40	71	76	88	
16	130	112	105	88	91	74	53	130	97	115	
25	173	149	139	116	121	100	72	168	125	148	
35	214	184	172	143	148	121	88	201	151	176	
50	270	233	217	179	190	146		237	188	212	
70	340	292	273	224	234	187		291	229	259	
95	410	353	329	269	277	228		348	268	315	
120	487	418	390	317	331	269		396	316	357	
150	562	482	450	365	378	306		445	357	400	
185	644	553	516	417	438	359		503	404	461	
240	775	665	620	499	538	439		583	481	533	
300	895	766	714	572	612	501		657	542	617	
400	1079	918	855	682	757	575		746	648	700	
500	1260	1064	990	786	864	692		843	729	815	
630	1493	1240	1154	913	993	787		947	828	920	