POWER CABLES – XLPE Cables 0.6/1kV

FLEXIBLE XLPE COPPER SDI 0.6/1KV

Cable description:

Flexible Single Core Cable, Class 5 Conductor, RE-110 Insulated, HFS-110-TP Sheathed, LSOH, to AS/NZS 5000.1.
Note: For fixed installation.

Product code	Conductor		Cable				Min. installed bending radius mm
	Nominal C.S.A. mm²	Nominal diameter mm	Nominal insulation thickness mm	Overall diameter		Approx. mass kg/100 m	
				Minimum mm	Maximum mm		
351CFF110	35	7.7	1.2	12.5	13.3	40.3	80
501CFF110	50	9.3	1.4	14.5	15.3	55.9	92
701CFF110	70	11.1	1.4	16.4	17.2	75.0	103
951CFF110	95	12.8	1.6	18.6	19.4	97.9	116
1201CFF110	120	14.5	1.6	20.2	21.1	122.0	127
1501CFF110	150	16.3	1.8	22.6	23.6	151.1	141
1851CFF110	185	18.0	2.0	24.8	25.8	183.1	155
2401CFF110	240	20.8	2.2	28.2	29.3	239.0	176
3001CFF110	300	23.4	2.4	29.9	31.1	290.0	186
4001CFF110	400	26.8	2.6	35.2	36.5	386.2	219
5001CFF110	500	30.3	2.8	39.3	40.6	485.7	244
6301CFF110	630	35.1	2.8	44.1	45.6	637.3	273

CURRENT RATINGS

FLEXIBLE CABLE 110°C

Cable description:

3 Single Core LV, Copper Conductor, Sheathed and Unsheathed, Non-Armoured Cables with X-HF-110 or R-E-110 Insulation.

Nominal conductor area mm²	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground wiring enclosure		Three phase voltage drop (@ 50Hz & 110 °C) mV/A.m	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation					
												
10	99	85	80	67	70	57	40	77	76	88	4.48	4.48
16	130	112	105	88	91	74	53	130	97	115	2.84	2.85
25	173	149	139	116	121	100	72	168	125	148	1.84	1.84
35	214	184	172	143	148	121	88	201	151	176	1.31	1.31
50	270	233	217	179	190	146	-	237	188	212	0.921	0.926
70	340	292	273	224	234	187	-	291	229	259	0.658	0.665
95	410	353	329	269	277	228	-	348	268	315	0.509	0.518
120	487	418	390	317	331	269	-	396	316	357	0.408	0.419
150	562	482	450	365	378	306	-	445	357	400	0.340	0.353
185	644	553	516	417	438	359	-	503	404	461	0.293	0.307
240	775	665	620	499	538	439	-	583	481	533	0.242	0.259
300	895	766	714	572	612	501	-	657	542	617	0.213	0.232
400	1079	918	855	682	757	575	-	746	648	700	0.187	0.208
500	1260	1064	990	786	864	692	-	843	729	815	0.172	0.194
630	1493	1240	1154	913	993	787	-	947	828	920	0.159	0.182