



X-HF-110/HFS-110-TP (SDI) Flexible Cables Low Smoke Zero Halogen

Applications: For power supply where the cable flexibility is required.

Standard: AS/NZS 5000.1; AS/NZS 3808;

AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

Voltage: 0.6/1kV

Conductor: Plain Annealed Copper (Class 5) to AS/NZS 1125

Insulation: X-HF-110 (Natural)

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



Core x cross-section mm ²	Conductor Diameter mm	Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. overall diameter mm	Approx. weight kg/km	Product code
1×16	0.20	0.7	1.4	9.9	201	LS1C0160
1×25	0.20	0.9	1.4	11.6	292	LS1C0250
1×35	0.20	0.9	1.4	12.8	386	LS1C0350
1×50	0.30	1.0	1.4	14.6	529	LS1C0500
1×70	0.30	1.1	1.4	16.6	725	LS1C0700
1×95	0.30	1.1	1.5	18.5	935	LS1C0950
1×120	0.30	1.2	1.5	20.4	1174	LS1C1200
1×150	0.30	1.4	1.6	22.7	1464	LS1C1500
1×185	0.40	1.6	1.6	24.8	1765	LS1C1850
1×240	0.40	1.7	1.7	28.0	2304	LS1C2400
1×300	0.40	1.8	1.8	30.8	2847	LS1C3000
1×400	0.50	2.0	1.9	34.9	3730	LS1C4000
1×500	0.50	2.2	2.0	38.8	4689	LS1C5000
1×630	0.50	2.4	2.2	44.3	6226	LS1C6300

mm ²	Min. Bending Radius mm	Current Rating (A)				Electrical Characteristics
		Underground Enclose	Spaced	In the air		Maximum DC Resistance 20°C
				Enclosed	Touching	
16	59	97	130	91	105	1.21
25	70	125	173	121	139	0.780
35	77	151	214	148	172	0.554
50	88	188	270	190	217	0.386
70	100	229	340	234	273	0.272
95	111	268	410	277	329	0.206
120	122	316	487	331	390	0.161
150	136	357	562	378	450	0.129
185	149	404	644	438	516	0.106
240	168	481	775	538	620	0.0801
300	185	542	895	612	714	0.0641
400	209	648	1079	757	855	0.0486
500	233	729	1260	864	990	0.0384
630	266	828	1493	993	1154	0.0287

Based on trefoil formation, ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W