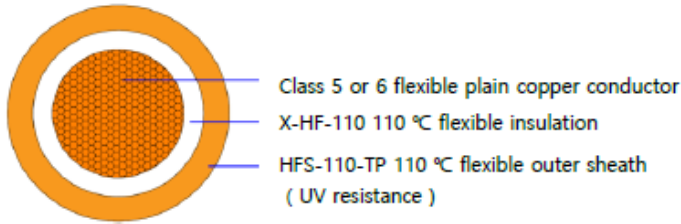


SDI Flex Cable



Product Description

Flexible Double Insulated Cable

Electrical Characteristics

- Voltage 0.6/1kV
- Max. Conductor operating temperature 110°C
- Conductor short circuit operating temperature: 250°C

Standard Compliance

- Design Guidelines: AS/NZS 5000.1
- Conductor: As/NZS 1125
- Insulation and Sheath: AS/NZS 3808
- Current Carrying Capacity: AS/NZS 3008.1.1:2009 (Table 9, Touching)
- Flame Retardant: IEC 60332-1-2
- Low Smoke: IEC61034-2
- Halogen Free: IEC 60754-2

Outer Sheath: Orange

Core Colour: White

Specifications

Conductor	
Material:	Plain Copper
Stranding:	Class 5 (6mm ² to 35mm ²) and Class 6 (Above 35mm ²)
Standards:	AS/NZS 1125
Insulation/Sheath	
Material:	Insulation - X-HF-110 Sheath - HFS-110-TP
Operating Temperature:	Min & Max operating temp -40°C & 110°C
Colour:	Orange
Standards:	AS/NZS 3808



Technical Data

Part No.	No. of Cores & CSA	Structure of Conductor	Nominal thickness of Insulation	Nominal Thickness of outer sheath	Approx Cable O.D.	Approx Mass	Max DC Resistance of conductor at 20C	Fault current capacity of Conductor	Max AC resistance of conductor at 110 c	Current Carrying Capacity	Min Bending Radius after installation
	mm ²	No./mm	mm	mm	mm	Kg/Km	Ω/km	kA/1s	Ω/km	A	mm
SDI006-110-ENV	1C 6	84/0.29	0.7	1.4	7.4	107	3.30	0.86	4.47	57	36
SDI010-110-ENV	1C 10	77/0.40	0.7	1.4	8.4	151	1.91	1.40	2.59	80	40
SDI016-110-ENV	1C 16	119/0.40	0.7	1.4	9.8	216	1.21	2.11	1.64	105	46
SDI025 -110-ENV	1C 25	189/0.40	0.9	1.4	11.4	321	0.780	3.30	1.06	139	52
SDI035-110-ENV	1C 35	266/0.40	0.9	1.4	12.9	423	0.554	4.62	0.750	172	58
SDI050-110-ENV	1C 50	1564/0.20	1.0	1.4	14.9	582	0.386	6.60	0.523	217	66
SDI070-110-ENV	1C 70	2233/0.20	1.1	1.4	16.7	786	0.272	9.24	0.369	273	73
SDI095-110-ENV	1C 95	2926/0.20	1.1	1.5	18.8	1038	0.206	12.54	0.280	329	84
SDI120-110-ENV	1C 120	3773/0.20	1.2	1.5	20.4	1287	0.161	15.84	0.219	390	90
SDI150-110-ENV*	1C 150	2156/0.29	1.4	1.6	22.6	1965	0.129	19.80	0.176	450	99
SDI185-110-ENV*	1C 185	2604/0.29	1.6	1.6	25.0	1965	0.106	24.42	0.145	516	162
SDI240-110-ENV*	1C 240	3444/0.29	1.7	1.7	28.0	2518	0.0801	31.67	0.111	620	180
SDI300-110-ENV*	1C 300	4284/0.29	1.8	1.8	30.8	3118	0.0641	39.59	0.0901	714	198
SDI400-110-ENV*	1C 400	3003/0.40	2.0	1.9	34.6	4108	0.0486	52.79	0.0701	855	223
SDI500-110-ENV*	1C 500	3773/0.40	2.2	2.0	38.6	5112	0.0384	65.99	0.0574	990	248
SDI630-110-ENV*	1C 630	5005/0.40	2.4	2.2	43.4	6425	0.0287	83.15	0.0457	1154	279

Certifications

Type Test certificate to AS/NZS 5000.1:2005 + A1:2006

*Size not currently stocked

Subject to change without notice