

110 Degree Flexible SDI Cable

Halogen Free 110 Degree Flexible SDI

Highly flexible single conductor, SDI, low smoke, halogen free power cable

Construction:

Class 6 super fine copper conductors, X-HF-110 insulation, halogen-free, low smoke, flame and heat retardant, UV, oil, chemical and weather-resistant orange HFS-110-TP sheath, metre marked. Other colours available on request subject to minimum order quantity and lead time.

Minimum Bending Radius:

Fixed: 6 x cable diameter
Flexing: 12 x cable diameter

Nominal Voltage:

0.6/1kV AC
0.9/1.5kV DC

Temperature Range:

Fixed: -40°C to +110°C
Flexing: -25°C to +110°C

Features:

- UV-resistant
- Halogen-free
- 110° rated

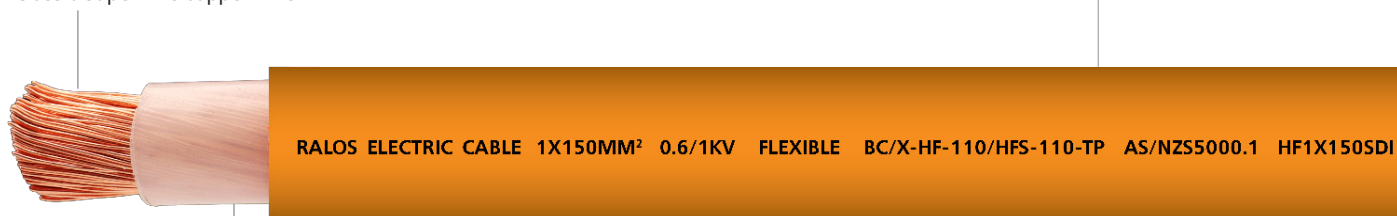
Relevant Standard:

AS/NZS1125, AS/NZS3808, AS/NZS5000.1, flame retardant to IEC60332-1



Sheath: Flexible HFS-110-TP comply to AS/NZS3808

Class 6 super fine copper wire



Insulation: X-HF-110 comply to AS/NZS3808

Part No.	Cores x CSA	Diameter of Conductor	Thickness of Insulation	Diameter of Insulation	Thickness of Outer Sheath	Overall Diameter	Approx Weight	20°C Max. D.C Conductor Resistance	Current Rating
	mm²	mm	mm	mm	mm	mm	kg/km	Ω/km	AMPS
HF1X6SDI	6.0	3.5	0.7	4.9	1.4	7.7	94	3.3	57
HF1X10SDI	10	4.4	0.7	5.8	1.4	8.6	135	1.91	80
HF1X16SDI	16	5.5	0.7	6.9	1.4	9.7	195	1.21	105
HF1X25SDI	25	6.9	0.9	8.7	1.4	11.5	287	0.78	139
HF1X35SDI	35	8.2	0.9	10.0	1.4	12.8	288	0.554	172
HF1X50SDI	50	9.8	1.0	11.8	1.4	14.6	540	0.386	217
HF1X70SDI	70	11.7	1.1	13.9	1.4	16.7	735	0.272	273
HF1X95SDI	95	13.3	1.1	15.5	1.5	18.5	943	0.206	329
HF1X120SDI	120	14.9	1.2	17.3	1.5	20.3	1180	0.161	390
HF1X150SDI	150	16.9	1.4	19.7	1.6	22.9	1484	0.129	450
HF1X185SDI	185	18.3	1.6	21.5	1.6	24.7	1772	0.106	516
HF1X240SDI	240	20.9	1.7	24.3	1.7	27.7	2379	0.0801	620
HF1X300SDI	300	23.9	1.8	27.5	1.8	31.1	2958	0.0641	714
HF1X400SDI	400	27.5	2.0	31.5	1.9	35.3	3885	0.0486	855
HF1X500SDI	500	31.0	2.2	35.4	2.0	39.4	4847	0.0384	990
HF1X630SDI	630	35.0	2.4	39.8	2.2	44.2	6083	0.0287	1154

*AS/NZS 3008.1.1:2017 Table 9 (Fixed-Unenclosed, Touching, Flexible Copper Conductor) 110°C operating temperature, 40°C air temperature, 25°C soil temperature.