

## RALOS Halogen Free 110 Degree Flexible SDI

### Cable Drawing



### Applications

0.6/1kV electric cables use for main power and control systems applications, standard to AS/NZS5000.1.

BC(CL6)/X-HF-110/HFS-110-TP

### Mechanical and Electrical Properties

**Temperature Range:** -40 to +110°C.

**Rated Voltage:** 0.6/1kV AC  
0.9/1.5kV DC

**Min Bending Radius:** 6 X Cables Diameter after installed, 12 X Cables Diameter during installing.

### Parameter

Part No.	Cores x CSA mm <sup>2</sup>	Diameter of Conductor mm	Thickness of Insulation mm	Diameter of Insulation mm	Thickness of Outer Sheath mm	Overall Diameter mm	Approx Weight kg/km	20°C Max.	Current Rating AMPS
								D.C Conductor Resistance Ω/km	
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.

### Cable Construction

**Conductor:** Annealed bare copper wire conductor standard to AS/NZS1125 class 6.

**Insulation:** X-HF-110 comply to AS/NZS3808, insulation color identification see below.

1 Core: Natural

**Outer Sheath:** Flexible HFS-110-TP comply to AS/NZS3808, color is Orange.

### Relevant Standard

AS/NZS1125, AS/NZS3808, AS/NZS5000.1, IEC60332-1

# Certificate of Compliance

**DKSH Australia Pty. Ltd.**

1 Beyer Road.

Braeside VIC 3195.

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Email: sales.quotes@dksh.com

Certificate NO. : HY20230303-01	Issued On: 03 - March, 2022
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## This certificate relates to the following:

<b>Product Type</b>	Electric Cable (HFSDI)
<b>Voltage</b>	0.6/1kV
<b>Temperature</b>	-20 up to +110°C
<b>Description</b>	Conductor: Bare copper wire class 6 Insulation: X-HF-110 Outer Sheath: HFS-110-TP

We hereby confirm that the above cables conform to every respect to the relevant AS/NZS1125 & AS/NZS3808 & AS/NZS5000.1.