

FLEXIBLE SINGLE CORE CABLES

AFX SERIES

Ultra Performance Flexible LSHF Rubber SDI Cable 0.6/1kV 110°C



APPLICATIONS:

Power Extreme flexibility for use in switchboards, flexible droppers from busbars, transformers, load banks or other equipment requiring fixed or flexible cable.

Pumping Suitable for permanent submersion to 200 metres.

Welding Suitable for welding power supply/electrode leads.

Generator Sets As leads for temporary power supplies.

Automotive Battery leads or jumpers, battery chargers, electric forklifts.

Audio Power supply to amplifiers and audio equipment where oxygen free copper wire is required.

Telecommunications Where finely stranded large cross section cables are required for minimal volt drop.

PRODUCT FEATURES:

- ▶ Extremely fine stranded copper conductor
- ▶ UV stabilised
- ▶ Low smoke halogen free
- ▶ Suitable for permanent submersion to 200 metres
- ▶ High current capacity
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed plain copper stranded extreme flexibility (Class 5 & 6).

Insulation X-HF-110.

Sheath SER HFS-110-TP.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 110°C / Flexing -25°C to 90°C.

Maximum Conductor Temperature 110°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_0/U 0.6/1kV.




Max AC Operating Voltage U_0 0.7kV.

Minimum Bending Radius Fixed 4 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Orange, Black. (Red and Blue subject to availability).

Relevant Standards IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 1660.5.1, AS/NZS 1660.5.2, AS/NZS 1660.5.4,

RoHS Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 3 Phase			3 Phase Volt Drop @50Hz / MAX. Conductor Temp	
				Spaced 	Spaced from Surface 	Touching 	90°C (Mv/Am)	110°C (Mv/Am)
AFX006	1 x 6.0	8.0	118	75	65	61	6.810	7.230
AFX010	1 x 10.0	9.0	169	106	91	86	4.050	4.300
AFX016	1 x 16.0	10.5	231	139	120	112	2.550	2.710
AFX025	1 x 25.0	11.3	350	185	159	149	1.620	1.720
AFX035	1 x 35.0	12.6	451	229	197	184	1.170	1.250
AFX050	1 x 50.0	14.1	594	289	249	232	0.872	0.929
AFX070	1 x 70.0	16.5	810	364	312	292	0.615	0.657
AFX095	1 x 95.0	18.7	1055	439	378	352	0.457	0.491
AFX120	1 x 120.0	20.5	1332	521	447	417	0.373	0.403
AFX150	1 x 150.0	23.0	1654	601	516	482	0.316	0.344
AFX185BK	1 x 185.0	25.0	2060	689	592	552	0.269	0.296
AFX240BK	1 x 240.0	27.5	2576	829	712	663	0.227	0.252
AFX300BK	1 x 300.0	32.5	3213	958	820	764	0.202	0.227
AFX400BK	1 x 400.0	33.5	3817	1155	982	915	0.183	0.208
AFX500BK	1 x 500.0	37.2	4805	1348	1138	1059	0.170	0.195
AFX630BK	1 x 630.0	41.0	6589	1598	1327	1235	0.161	0.186

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