

# FLEXIBLE SINGLE CORE CABLES

## CHEMTUFF SDI BFX SERIES

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



### APPLICATIONS:

**Chemtuff** Used in applications that require a greater resistance to chemicals, solvents, oils and fats.

**Power** Switchboards, flexible droppers from busbars, transformers, load banks or other equipment requiring fixed or flexible cable.

**Pumping** Suitable for permanent submersion to 500 metres.

**Welding** Suitable for welding and electrode leads.

**Generator Sets** As leads for temporary power supplies.

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

**Audio** 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:

- ▶ High current capacity
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Very good behaviour to variations of outdoor temperature
- ▶ Suitable for permanent submersion to 500 metres
- ▶ UV stabilised
- ▶ Heat, oil and chemical resistant (See Technical Section)

### CONSTRUCTION:

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

**Insulation** X-HF-110.

**Sheath** SER105.

### 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<sub>o</sub>/U 0.6/1kV.

**Max AC Operating Voltage** U<sub>o</sub> 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 3808, AS/NZS 3008, **RoHS** Compliant.

Code	No. of Cores x Size (mm <sup>2</sup> )	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)
<b>BFX002.5</b>	1 x 2.5	7.0	49	45	39	36	16.400	17.400
<b>BFX004</b>	1 x 4.0	8.0	75	59	51	48	10.200	10.800
<b>BFX006</b>	1 x 6.0	8.5	99	75	65	61	6.810	7.230
<b>BFX010</b>	1 x 10.0	9.6	150	106	91	86	4.050	4.300
<b>BFX016</b>	1 x 16.0	10.7	215	139	120	112	2.550	2.710
<b>BFX025</b>	1 x 25.0	12.4	310	185	159	149	1.620	1.720
<b>BFX035</b>	1 x 35.0	13.5	415	229	197	184	1.170	1.250
<b>BFX050</b>	1 x 50.0	16.0	560	289	249	232	0.872	0.929
<b>BFX070</b>	1 x 70.0	18.6	780	364	312	292	0.615	0.657
<b>BFX095</b>	1 x 95.0	21.5	990	439	378	352	0.457	0.491
<b>BFX120</b>	1 x 120.0	23.5	1270	521	447	417	0.373	0.403
<b>BFX150</b>	1 x 150.0	26.6	1575	601	516	482	0.316	0.344
<b>BFX185</b>	1 x 185.0	29.0	1945	689	592	552	0.269	0.296
<b>BFX240</b>	1 x 240.0	32.0	2420	829	712	663	0.227	0.252
<b>BFX300</b>	1 x 300.0	36.5	3150	958	820	764	0.202	0.227
<b>BFX400</b>	1 x 400.0	41.0	4370	1155	982	915	0.183	0.208
<b>BFX500</b>	1 x 500.0	45.0	5275	1348	1138	1059	0.170	0.195

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