

FLEXIBLE SINGLE CORE CABLES

CHEMTUFF SDI BFX SERIES

Ultra 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 U₀/U 0.6/1kV.

Max AC Operating Voltage U₀ 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 ²)	Approx. Stranding no. of Wires x mm	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)
BFX002.5	1 x 2.5	140/0.15	7.0	49	45	39	36	16.400	17.400
BFX004	1 x 4.0	224/0.15	8.0	75	59	51	48	10.200	10.800
BFX006	1 x 6.0	192/0.20	8.5	99	75	65	61	6.810	7.230
BFX010	1 x 10.0	294/0.20	9.6	150	106	91	86	4.050	4.300
BFX016	1 x 16.0	470/0.20	10.7	215	139	120	112	2.550	2.710
BFX025	1 x 25.0	726/0.20	12.4	310	185	159	149	1.620	1.720
BFX035	1 x 35.0	1040/0.20	13.5	415	229	197	184	1.170	1.250
BFX050	1 x 50.0	1499/0.20	16.0	560	289	249	232	0.872	0.929
BFX070	1 x 70.0	2100/0.20	18.6	780	364	312	292	0.615	0.657
BFX095	1 x 95.0	2745/0.20	21.5	990	439	378	352	0.457	0.491
BFX120	1 x 120.0	1554/0.30	23.5	1270	521	447	417	0.373	0.403
BFX150	1 x 150.0	1961/0.30	26.6	1575	601	516	482	0.316	0.344
BFX185	1 x 185.0	2331/0.30	29.0	1945	689	592	552	0.269	0.296
BFX240	1 x 240.0	3172/0.30	32.0	2420	829	712	663	0.227	0.252
BFX300	1 x 300.0	4001/0.30	36.5	3150	958	820	764	0.202	0.227
BFX400	1 x 400.0	5296/0.30	41.0	4370	1155	982	915	0.183	0.208
BFX500	1 x 500.0	6648/0.30	45.0	5275	1348	1138	1059	0.170	0.195

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