

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 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 Uo/U 0.6/1kV.

Max AC Operating Voltage Uo 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 50001, 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 size (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 (MVA/m)	110°C (MVA/m)
BFX02.5	1 x 2.5	14/0.15	6.4	65	45	39	36	16.400	17.400
BFX04	1 x 4.0	224/0.15	6.9	81	59	51	48	10.200	10.800
BFX06	1 x 6.0	192/0.20	7.6	104	75	65	61	6.810	7.230
BFX10	1 x 10.0	294/0.20	8.6	147	106	91	86	4.050	4.300
BFX16	1 x 16.0	470/0.20	9.7	209	139	120	112	2.550	2.710
BFX25	1 x 25.0	726/0.20	11.5	304	185	159	149	1.620	1.720
BFX35	1 x 35.0	1040/0.20	12.8	407	229	197	184	1.170	1.250
BFX50	1 x 50.0	1499/0.20	14.6	562	289	249	232	0.872	0.929
BFX70	1 x 70.0	2100/0.20	16.7	761	364	312	292	0.615	0.657
BFX95	1 x 95.0	2745/0.20	18.5	973	439	378	352	0.457	0.491
BFX120	1 x 120.0	3554/0.30	20.3	1214	521	447	417	0.373	0.403
BFX150	1 x 150.0	3961/0.30	22.9	1524	601	516	482	0.316	0.344
BFX185	1 x 185.0	2331/0.30	24.7	1820	689	592	552	0.269	0.296
BFX240	1 x 240.0	3172/0.30	27.7	2423	829	712	663	0.227	0.252
BFX300	1 x 300.0	4001/0.30	31.1	3008	958	820	764	0.202	0.227
BFX400	1 x 400.0	5296/0.30	35.3	3946	1155	982	915	0.183	0.208
BFX500	1 x 500.0	6648/0.30	39.4	4920	1348	1138	1059	0.170	0.195
BFX630	1 x 630.0	8376/0.30	44.2	6193	1598	1327	1235	0.159	0.184

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