

CFX SERIES

Standard Performance Flexible
(Fixed application) SDI Cable
0.6/1kV 90°C



APPLICATIONS:

Power Switchboards, submains & subcircuits, buried & in underground or overhead ducts, transformers, load banks or other equipment requiring fixed applications.

Pumping Suitable for permanent submersion to 200 metres.

Generator Sets As leads for temporary power supplies.

Telecommunications Where finely stranded large cross section cables are required for minimal volt drop in a fixed application.

PRODUCT FEATURES:

- ▶ Small overall diameter for tight spaces
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ UV stabilised
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed plain copper stranded flexibility (Class 5).

Insulation X-90.

Sheath SPVC.

CHARACTERISTICS:

Operating Temperature Range Fixed -20°C to 90°C

Maximum Conductor Temperature 90°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 Black. (Red subject to availability).

Relevant Standards IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, **RoHS** Compliant.

BEP Certified - Greenstar 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. 90°C (Mv/A/m)
					Spaced from Surface	Spaced from Surface	Touching	
CFX016	1 x 16.0	122/0.39	9.20	215	117	100	94	2.550
CFX025	1 x 25.0	189/0.39	10.82	310	156	133	125	1.620
CFX035	1 x 35.0	265/0.39	12.00	415	195	166	158	1.170
CFX050	1 x 50.0	380/0.39	13.72	560	245	210	194	0.872
CFX070	1 x 70.0	546/0.49	15.60	780	311	265	248	0.615
CFX095	1 x 95.0	727/0.49	17.25	990	375	319	298	0.457
CFX120	1 x 120.0	957/0.49	19.00	1270	447	381	354	0.373
CFX150	1 x 150.0	1287/0.49	21.05	1575	517	440	409	0.316
CFX185	1 x 185.0	1666/0.49	23.21	1945	594	505	470	0.269
CFX240	1 x 240.0	2256/0.49	25.74	2420	716	608	565	0.227
CFX300	1 x 300.0	2964/0.49	28.25	3150	827	701	650	0.202
CFX400	1 x 400.0	3930/0.49	32.31	4370	1000	840	780	0.183
CFX500	1 x 500.0	4942/0.49	35.75	5275	1168	972	903	0.170
CFX630	1 x 630.0	6246/0.49	40.57	6400	1382	1133	1052	0.160