

## 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 -40°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** 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** 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.

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:  90°C (Mv/Am)
				Spaced 	Spaced from Surface 	Touching 	
CFX016	1 x 16.0	9.20	215	117	100	94	2.550
CFX025	1 x 25.0	10.82	310	156	133	125	1.620
CFX035	1 x 35.0	12.00	415	195	166	158	1.170
CFX050	1 x 50.0	13.72	560	245	210	194	0.872
CFX070	1 x 70.0	15.60	780	311	265	248	0.615
CFX095	1 x 95.0	17.25	990	375	319	298	0.457
CFX120	1 x 120.0	19.00	1270	447	381	354	0.373
CFX150	1 x 150.0	21.05	1575	517	440	409	0.316
CFX185	1 x 185.0	23.21	1945	594	505	470	0.269
CFX240	1 x 240.0	25.74	2420	716	608	565	0.227
CFX300	1 x 300.0	28.25	3150	827	701	650	0.202
CFX400	1 x 400.0	32.11	4370	1000	840	780	0.183
CFX500	1 x 500.0	35.75	5275	1168	972	903	0.170
CFX630	1 x 630.0	40.57	6400	1382	1133	1052	0.160