

## CFXH SERIES

Standard Performance Flexible (Fixed application) LSHF SDI Cable 0.6/1kV 110°C



### APPLICATIONS:

**Power** Switchboards, submains & subcircuits, data centres, 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:

- ▶ Low smoke halogen free
- ▶ 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-HF-110.

**Sheath** HFS-110-TP.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 110°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** Black. (Red subject to availability).

**Relevant Standards** IEC 60332-1, IEC 61034-2, IEC 60754-1, 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. 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: 110°C (Mv/Am)
					Spaced	Spaced from Surface	Touching	
CFXH016	1 x 16.0	126/0.40	9.19	215	139	120	112	2.710
CFXH025	1 x 25.0	196/0.40	10.82	310	185	159	149	1.720
CFXH035	1 x 35.0	276/0.40	11.98	415	229	197	184	1.250
CFXH050	1 x 50.0	396/0.40	13.72	560	289	249	232	0.929
CFXH070	1 x 70.0	360/0.50	15.71	780	364	312	292	0.657
CFXH095	1 x 95.0	480/0.50	17.46	990	439	378	352	0.491
CFXH120	1 x 120.0	608/0.50	19.32	1270	521	447	417	0.403
CFXH150	1 x 150.0	750/0.50	21.53	1575	601	516	482	0.344
CFXH185	1 x 185.0	931/0.50	23.84	1945	689	592	552	0.296
CFXH240	1 x 240.0	1200/0.50	26.55	2420	829	712	663	0.252
CFXH300	1 x 300.0	1501/0.50	29.23	3150	958	820	764	0.227
CFXH400	1 x 400.0	2013/0.50	33.36	4370	1155	982	915	0.208
CFXH500	1 x 500.0	2562/0.50	37.26	5275	1348	1138	1059	0.195
CFXH630	1 x 630.0	3416/0.50	42.41	6400	1598	1327	1235	0.184

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