

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_o/U 0.6/1kV.

Max AC Operating Voltage U_o 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 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: 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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