FLEXIBLE SINGLE CORE CABLES

HYPERFLEX™ SDI HFX SERIES

Ultra Performance Flexible Rubber LSHF SDI Cable 0.6/1kV 110°C



APPLICATIONS:

Data Centers LSHF cables boost safety, minimize toxic emissions, ensure compliance, and provide reliable performance in high-density cabling applications.
Power supply cable for switchboards, flexible droppers from busbars, transformers, load banks and other equipment, offering flexibility and ease of installation in fixed applications.
Welding Suitable for welding and electrode leads.
Generator Sets As leads for temporary power supplies.
Automotive Battery leads or jumpers, battery chargers, electric forklifts.
Telecommunications Where finely stranded large cross section cables are required for minimal volt drop.
Greenstar applications: PVC-free, Low Smoke Halogen Free construction suitable for sustainable building standards.

FEATURES	BENEFITS
EASY RUN™ finely stranded class 6 conductors provide extreme flexibility and superior bending radius.	Making it easier and faster to install, especially in confined spaces.
EASY GLIDE™ LOW-FRICTION SHEATH	Making it easier to pull through conduit and ensuring a much smoother installation.
FLEXI CHILL™ remains flexible in cold temperatures.	Making it easy to install in cold conditions.
Low Smoke Halogen Free sheath (LSHF)	Minimises toxic fumes and smoke in the event of a fire.
Flame retardant sheath made to IEC 60332-3-22	Reduces fire spread in high-density, bunched cable routes through critical areas, ensuring minimised flame propagation.
UV stabilised black sheath	Provides prolonged UV resistance to sunlight degradation.

CONSTRUCTION:

Conductor: Annealed plain copper stranded extreme flexibility (Class 6)
Insulation: X-HF-110
Sheath: SE-LSHF-EG

CHARACTERISTICS:

Operating Temperature Range Fixed -25°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 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 (other colours available on request).
Relevant Standards IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, IEC 61034-2, IEC 60754-1, RoHS Compliant.

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

HYPERFLEX™ SDI HFX SERIES continued

Code	No. of Cores x Size (mm²)	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	
HFX016	1 x 16.0	489/0.196	9.6	209	139	120	112	2.710
HFX025	1 x 25.0	756/0.196	11.3	304	185	159	149	1.720
HFX035	1 x 35.0	1060/0.196	12.5	407	229	197	184	1.250
HFX050	1 x 50.0	1525/0.196	14.5	562	289	249	232	0.929
HFX070	1 x 70.0	2162/0.196	16.3	761	364	312	292	0.657
HFX095	1 x 95.0	2857/0.196	18.3	973	439	378	352	0.491
HFX120	1 x 120.0	3650/0.196	20.0	1214	521	447	417	0.403
HFX150	1 x 150.0	2184/0.284	22.3	1524	601	516	482	0.344
HFX185	1 x 185.0	2660/0.284	24.6	1820	689	592	552	0.296
HFX240	1 x 240.0	3500/0.284	27.4	2423	829	712	663	0.252
HFX300	1 x 300.0	4368/0.284	31.2	3008	958	820	764	0.227
HFX400	1 x 400.0	2924/0.40	34.0	3946	1155	982	915	0.208
HFX500	1 x 500.0	3700/0.40	38.1	4920	1348	1138	1059	0.195
HFX630	1 x 630.0	4958/0.40	43.4	6193	1598	1327	1235	0.184

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.