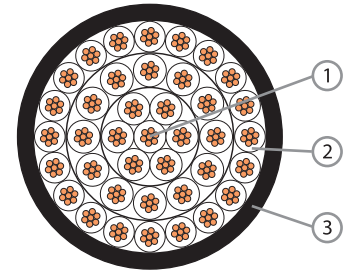
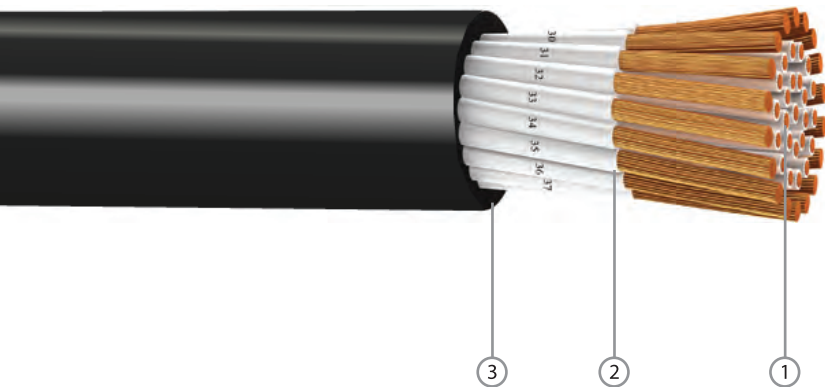


FRT-XH

CU / XLPE / LSZH (MULTI-CORES)

XLPE Insulated, LSZH Sheathed Cable, 0.6 / 1kV, IEC60502



Component
 1. Plain Annealed Copper Wire
 2. Cross-linked Polyethylene Compound
 3. Low Smoke Zero Halogen (LSZH) Compound

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	White with Black numbering or Others
Assembly:	Cores cabled together and covered with Polyester (PET) Tape
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound
Outer Sheath Colour:	Black

ELECTRICAL CHARACTERISTICS

Operating Voltage:	0.6/1kV
Operating Temperature:	-15°C to 90°C
Final Short Circuit Temperature:	250°C
Test Voltage:	3.5kV for 5 minutes

REFERENCE STANDARDS

Design Specification:	IEC60502-1
Conductor:	IEC60228, BS EN60228
Flame Retardancy:	IEC60332-3-22, BS EN60332-3-22
Low Smoke Zero Halogen:	IEC61034-2, BS EN61034-2 IEC60754-1, IEC60754-2 BS EN50267-2-1, BS EN50267-2-2

INSTALLATION REFERENCE

Min. Bending Radius (mm):	8 x cable overall diameter
Max. Pulling Tension (N/mm ²):	50

No. of Cores	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
5	1.5	7 / 0.53	0.7	12.1	223
7		7 / 0.53	0.7	13.1	309
10		7 / 0.53	0.7	16.2	417
12		7 / 0.53	0.7	16.7	467
19		7 / 0.53	0.7	19.3	652
20		7 / 0.53	0.7	20.3	688
24		7 / 0.53	0.7	22.3	803
37		7 / 0.53	0.7	25.4	1122

Note : Other conductor sizes & core configurations are available upon request.
 # For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 71.

Table 34

FRT-XH

CU / XLPE / LSZH (MULTI-CORES)

XLPE Insulated, LSZH Sheathed Cable, 0.6 / 1kV, IEC60502

No. of Cores	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
5	2.5	7 / 0.67	0.7	13.3	288
7		7 / 0.67	0.7	14.3	394
10		7 / 0.67	0.7	17.8	536
12		7 / 0.67	0.7	18.4	606
19		7 / 0.67	0.7	21.4	863
20		7 / 0.67	0.7	22.5	910
24		7 / 0.67	0.7	24.9	1067
37		7 / 0.67	0.7	28.4	1515
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5	4	7 / 0.85	0.7	14.7	388
7		7 / 0.85	0.7	16.0	523
10		7 / 0.85	0.7	20.0	719
12		7 / 0.85	0.7	20.6	820
19		7 / 0.85	0.7	24.1	1189
20		7 / 0.85	0.7	25.4	1254
24		7 / 0.85	0.7	28.1	1476
37		7 / 0.85	0.7	32.4	2145

Note : Other conductor sizes & core configurations are available upon request.
 # For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 71.

Table 35