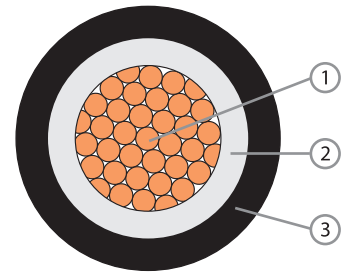


FRT-XH

CU / XLPE / LSZH (SINGLE CORE)

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:	Natural
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound
Outer Sheath Colour:	Black

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

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

INSTALLATION REFERENCE

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

	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)
	1 x 1.5	7 / 0.53	0.7	6.1	75
	1 x 2.5	7 / 0.67	0.7	6.5	89
	1 x 4	7 / 0.85	0.7	7.1	110
	1 x 6	7 / 1.04	0.7	7.6	136
	1 x 10	7 / 1.35	0.7	8.6	186
	1 x 16	7 / 1.70	0.7	9.6	254
	1 x 25	7 / 2.14	0.9	11.3	367
	1 x 35	7 / 2.52	0.9	12.5	472
	1 x 50	19 / 1.78	1.0	14.1	612
	1 x 70	19 / 2.14	1.1	16.1	837
	1 x 95	19 / 2.52	1.1	18.2	1114
	1 x 120	37 / 2.03	1.2	20.0	1374
	1 x 150	37 / 2.25	1.4	22.2	1675
	1 x 185	37 / 2.52	1.6	24.4	2066
	1 x 240	61 / 2.25	1.7	27.5	2661
	1 x 300	61 / 2.52	1.8	30.3	3291
	1 x 400	61 / 2.85	2.0	33.9	4159
	1 x 500	61 / 3.20	2.2	37.6	5188
	1 x 630	127 / 2.52	2.4	42.4	6638
	1 x 800	127 / 2.85	2.6	47.3	8394
	1 x 1000	127 / 3.20	2.8	52.4	10479

For current rating and voltage drop, please refer to Table B1.5 and B2.5 on Page 70.