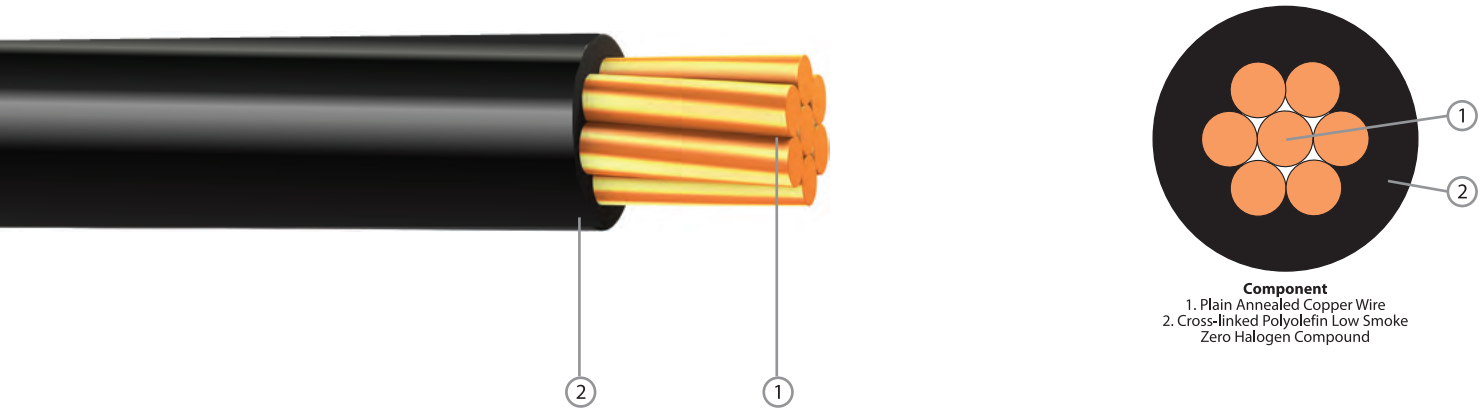


FRT-H

CU / LSZH (SINGLE CORE)

Cross-Linked Polyolefin LSZH Insulated, Non-Sheathed Cable, 450 / 750V (0.6 / 1kV*), BS7211



CONSTRUCTION		REFERENCE STANDARDS	
Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted	Design Specification:	BS7211
Insulation:	Cross-linked Polyolefin (LSZH) Low Smoke Zero Halogen Compound	Conductor:	IEC60228, BS EN60228
Insulation Colour:	Black, Green/Yellow, Red, Yellow, Blue, White, Brown, Grey or Others	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		INSTALLATION REFERENCE	
Operating Voltage:	450 / 750V (0.6/1kV*)	Min. Bending Radius (mm):	6 x cable overall diameter
Operating Temperature:	-15°C to 90°C	Max. Pulling Tension (N/mm ²):	50
Final Short Circuit Temperature:	250°C		
Test Voltage:	3.5kV for 5 minutes		

SINGLE CORE	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	3.1	25
	1 x 2.5	7 / 0.67	0.8	3.7	37
	1 x 4	7 / 0.85	0.8	4.3	53
	1 x 6	7 / 1.04	0.8	4.8	73
	1 x 10	7 / 1.35	1.0	6.2	121
	1 x 16	7 / 1.70	1.0	7.2	180
	1 x 25	7 / 2.14	1.2	9.0	283
	1 x 35	7 / 2.52	1.2	10.2	379
	1 x 50	19 / 1.78	1.4	11.9	513
	1 x 70	19 / 2.14	1.4	13.7	716
	1 x 95	19 / 2.52	1.6	16.0	987
	1 x 120	37 / 2.03	1.6	17.6	1227
	1 x 150	37 / 2.25	1.8	19.6	1509
	1 x 185	37 / 2.52	2.0	21.8	1889
	1 x 240	61 / 2.25	2.2	24.9	2468
	1 x 300	61 / 2.52	2.4	27.7	3084
	1 x 400	61 / 2.85	2.6	31.1	3923
	1 x 500	61 / 3.20	2.8	34.6	4920
	1 x 630	127 / 2.52	2.8	38.6	6269

Note: For FRT-H cables, Cross-Linked LSZH Compound will be used as the insulation material.
 # For current rating and voltage drop, please refer to Table B1.5 and B2.5 on Page 70.
 * Condition apply.

Table 30