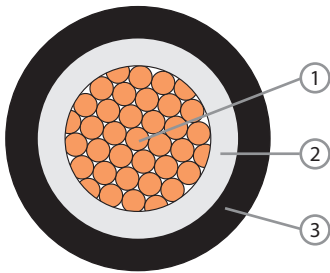


FRT-XH

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 with Anti-Termite Characteristic and UV Resistant
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

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	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

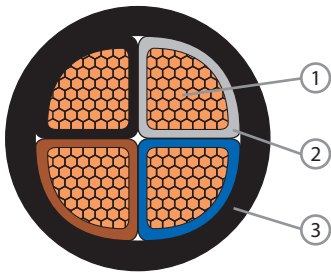
For current rating and voltage drop, please refer to Table B1.5 and B2.5 on Page 41.

Table 13

FRT-XH

CU / XLPE / LSZH (2 CORES - 5 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		ELECTRICAL CHARACTERISTICS	
Conductor:	Plain Annealed Copper, Class 2 Stranded Circular, Compacted or Sectored	Operating Voltage:	0.6/1kV
Insulation:	Cross-linked Polyethylene (XLPE) Compound	Operating Temperature:	-15°C to 90°C
Insulation Colour:	2 Cores: Brown, Blue or Red, Black 3 Cores: Brown, Black, Grey or Red, Yellow, Blue 4 Cores: Brown, Black, Grey, Blue or Red, Yellow, Blue, Black 5 Cores: Brown, Black, Grey, Blue, Green/Yellow or Red, Yellow, Blue, Black, Green/Yellow or White with Black numbering or Others	Final Short Circuit Temperature:	250°C
Assembly:	Cores cabled together with filler and covered with Polyester (PET) Tape	Test Voltage:	3.5kV for 5 minutes
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant	REFERENCE STANDARDS	
Outer Sheath Colour:	Black	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

2 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)
	2 x 1.5	7 / 0.53	0.7	10.0	137
	2 x 2.5	7 / 0.67	0.7	10.8	170
	2 x 4	7 / 0.85	0.7	11.9	220
	2 x 6	7 / 1.04	0.7	13.0	280
	2 x 10	7 / 1.35	0.7	14.9	399
	2 x 16	7 / 1.70	0.7	17.0	561
	2 x 25	7 / 2.14	0.9	20.4	841
	2 x 35	7 / 2.52	0.9	22.7	1096
	2 x 50 (S)	19 / 1.78	1.0	22.4	1240
	2 x 70 (S)	19 / 2.14	1.1	25.4	1694
	2 x 95 (S)	19 / 2.52	1.1	28.2	2248
	2 x 120 (S)	37 / 2.03	1.2	31.2	2782
	2 x 150 (S)	37 / 2.25	1.4	34.9	3418
	2 x 185 (S)	37 / 2.52	1.6	38.7	4233
	2 x 240 (S)	61 / 2.25	1.7	43.2	5458
	2 x 300 (S)	61 / 2.52	1.8	47.4	6736

Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 42.

Table 14

FRT-XH

CU / XLPE / LSZH (2 CORES - 5 CORES)

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



	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)
3 CORES	3 x 1.5	7 / 0.53	0.7	10.5	159
	3 x 2.5	7 / 0.67	0.7	11.4	201
	3 x 4	7 / 0.85	0.7	12.5	265
	3 x 6	7 / 1.04	0.7	13.8	344
	3 x 10	7 / 1.35	0.7	15.8	500
	3 x 16	7 / 1.70	0.7	18.1	715
	3 x 25	7 / 2.14	0.9	21.8	1082
	3 x 35	7 / 2.52	0.9	24.2	1424
	3 x 50 (S)	19 / 1.78	1.0	25.0	1751
	3 x 70 (S)	19 / 2.14	1.1	28.9	2434
	3 x 95 (S)	19 / 2.52	1.1	32.6	3256
	3 x 120 (S)	37 / 2.03	1.2	35.8	4047
	3 x 150 (S)	37 / 2.25	1.4	40.4	4967
	3 x 185 (S)	37 / 2.52	1.6	45.0	6169
	3 x 240 (S)	61 / 2.25	1.7	50.5	7978
	3 x 300 (S)	61 / 2.52	1.8	54.6	9852
	3 x 400 (S)	61 / 2.85	2.0	63.7	12567
4 CORES	4 x 1.5	7 / 0.53	0.7	11.3	189
	4 x 2.5	7 / 0.67	0.7	12.3	242
	4 x 4	7 / 0.85	0.7	13.6	323
	4 x 6	7 / 1.04	0.7	15.0	425
	4 x 10	7 / 1.35	0.7	17.2	624
	4 x 16	7 / 1.70	0.7	19.8	901
	4 x 25	7 / 2.14	0.9	23.9	1373
	4 x 35	7 / 2.52	0.9	26.7	1815
	4 x 50 (S)	19 / 1.78	1.0	27.0	2254
	4 x 70 (S)	19 / 2.14	1.1	31.4	3162
	4 x 95 (S)	19 / 2.52	1.1	35.3	4241
	4 x 120 (S)	37 / 2.03	1.2	39.1	5302
	4 x 150 (S)	37 / 2.25	1.4	44.8	6503
	4 x 185 (S)	37 / 2.52	1.6	49.8	8104
	4 x 240 (S)	61 / 2.25	1.7	57.1	10515
	4 x 300 (S)	61 / 2.52	1.8	63.4	13058
	4 x 400 (S)	61 / 2.85	2.0	72.8	16625
	4 x 500 (S)	61 / 3.20	2.2	80.8	20785
5 CORES	5 x 1.5	7 / 0.53	0.7	12.1	223
	5 x 2.5	7 / 0.67	0.7	13.3	288
	5 x 4	7 / 0.85	0.7	14.7	388
	5 x 6	7 / 1.04	0.7	16.3	512
	5 x 10	7 / 1.35	0.7	18.8	759
	5 x 16	7 / 1.70	0.7	21.6	1102
	5 x 25	7 / 2.14	0.9	26.3	1685
	5 x 35	7 / 2.52	0.9	29.3	2234
	5 x 50	19 / 1.78	1.0	34.2	2845
	5 x 70	19 / 2.14	1.1	40.0	3989
	5 x 95	19 / 2.52	1.1	45.3	5348
	5 x 120	37 / 2.03	1.2	50.6	6689

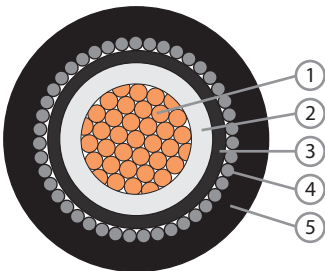
Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 42.

Table 15

FRT-XAH

CU / XLPE / LSZH / AWA / LSZH (SINGLE CORE)

XLPE Insulated, LSZH Bedded, Aluminium Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, BS6724



- Component**
- 1. Plain Annealed Copper Wire
 - 2. Cross-linked Polyethylene Compound
 - 3. Low Smoke Zero Halogen (LSZH) Compound
 - 4. Aluminium Wire Armoured
 - 5. 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
Bedding:	Low Smoke Zero Halogen (LSZH) Compound
Bedding Colour:	Black
Armour:	Aluminium Wire Armoured (AWA)
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
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:	BS6724
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

SINGLE CORE	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
	1 x 50	19 / 1.78	12.9	1.25	18.6	932
	1 x 70	19 / 2.14	14.9	1.25	20.6	1149
	1 x 95	19 / 2.52	16.8	1.25	22.7	1463
	1 x 120	37 / 2.03	18.6	1.25	25.2	1762
	1 x 150	37 / 2.25	21.0	1.6	27.8	2181
	1 x 185	37 / 2.52	23.2	1.6	30.2	2633
	1 x 240	61 / 2.25	26.1	1.6	33.1	3279
	1 x 300	61 / 2.52	28.7	1.6	35.9	3966
	1 x 400	61 / 2.85	32.5	2.0	40.7	5044
	1 x 500	61 / 3.20	36.0	2.0	44.4	6168
	1 x 630	127 / 2.52	40.4	2.0	49.0	7711
	1 x 800	127 / 2.85	45.5	2.5	55.5	9840
	1 x 1000	127 / 3.20	50.4	2.5	60.6	12071

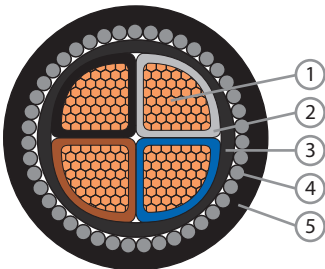
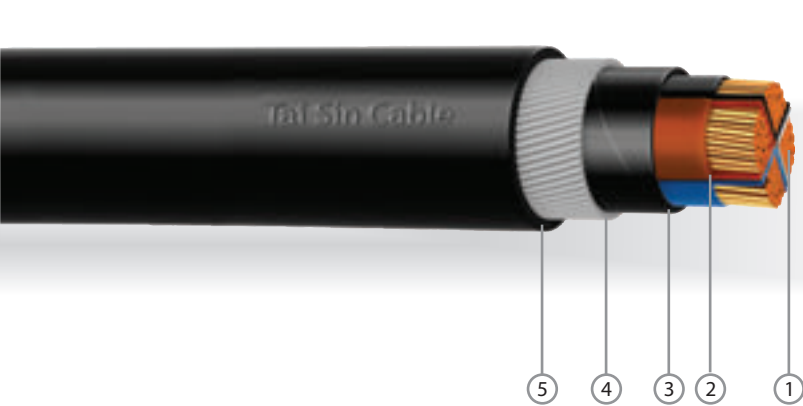
For current rating and voltage drop, please refer to Table B1.7 and B2.7 on Page 43.

Table 16

FRT-XSH

CU / XLPE / LSZH / SWA / LSZH (2 CORES - 5 CORES)

XLPE Insulated, LSZH Bedded, Galvanised Steel Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, BS6724



- Component**
- 1. Plain Annealed Copper Wire
 - 2. Cross-linked Polyethylene Compound
 - 3. Low Smoke Zero Halogen (LSZH) Compound
 - 4. Galvanised Steel Wire Armoured
 - 5. Low Smoke Zero Halogen (LSZH) Compound

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular, Compacted or Sectored
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	2 Cores: Brown, Blue or Red, Black 3 Cores: Brown, Black, Grey or Red, Yellow, Blue 4 Cores: Brown, Black, Grey, Blue or Red, Yellow, Blue, Black 5 Cores: Brown, Black, Grey, Blue, Green/Yellow or Red, Yellow, Blue, Black, Green/Yellow or White with Black numbering or Others
Assembly:	Cores cabled together with filler and covered with Polyester (PET) Tape
Bedding:	Low Smoke Zero Halogen (LSZH) Compound
Bedding Colour:	Black
Armour:	Galvanized Steel Wire Armoured (SWA)
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
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:	BS6724
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):	70

	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
2 CORES	2 x 1.5	7 / 0.53	0.6	7.6	0.9	12.3	341
	2 x 2.5	7 / 0.67	0.7	8.8	0.9	13.7	418
	2 x 4	7 / 0.85	0.7	9.9	0.9	14.8	496
	2 x 6	7 / 1.04	0.7	11.0	0.9	15.9	585
	2 x 10	7 / 1.35	0.7	12.9	0.9	18.7	769
	2 x 16	7 / 1.70	0.7	15.0	1.25	20.8	1081
	2 x 25	7 / 2.14	0.9	18.4	1.6	25.1	1496
	2 x 35	7 / 2.52	0.9	21.1	1.6	28.0	2014
	2 x 50 (S)	19 / 1.78	1.0	20.7	1.6	27.8	2135
	2 x 70 (S)	19 / 2.14	1.1	23.7	1.6	31.0	2728
	2 x 95 (S)	19 / 2.52	1.1	26.7	2.0	35.0	3642
	2 x 120 (S)	37 / 2.03	1.2	29.5	2.0	38.0	4341
	2 x 150 (S)	37 / 2.25	1.4	32.8	2.0	41.5	5117
	2 x 185 (S)	37 / 2.52	1.6	36.8	2.5	46.9	6574
	2 x 240 (S)	61 / 2.25	1.7	40.9	2.5	51.2	8025
	2 x 300 (S)	61 / 2.52	1.8	45.3	2.5	55.8	9596

Note : (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.8 and B2.8 on Page 44.

FRT-XSH

CU / XLPE / LSZH / SWA / LSZH (2 CORES - 5 CORES)

XLPE Insulated, LSZH Bedded, Galvanised Steel Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, BS6724



	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
3 CORES	3 x 1.5	7 / 0.53	0.6	8.0	0.9	12.7	375
	3 x 2.5	7 / 0.67	0.7	9.4	0.9	14.3	463
	3 x 4	7 / 0.85	0.7	10.5	0.9	15.4	556
	3 x 6	7 / 1.04	0.7	11.8	0.9	16.7	669
	3 x 10	7 / 1.35	0.7	13.8	1.25	19.6	981
	3 x 16	7 / 1.70	0.7	16.1	1.25	22.1	1283
	3 x 25	7 / 2.14	0.9	20.2	1.6	27.1	1959
	3 x 35	7 / 2.52	0.9	22.6	1.6	29.7	2418
	3 x 50 (S)	19 / 1.78	1.0	23.3	1.6	30.4	2751
	3 x 70 (S)	19 / 2.14	1.1	27.0	1.6	35.1	3610
	3 x 95 (S)	19 / 2.52	1.1	30.9	1.6	39.4	4873
	3 x 120 (S)	37 / 2.03	1.2	33.9	2.0	42.6	5824
	3 x 150 (S)	37 / 2.25	1.4	38.1	2.5	48.0	7300
	3 x 185 (S)	37 / 2.52	1.6	42.9	2.5	53.0	8832
	3 x 240 (S)	61 / 2.25	1.7	48.0	2.5	58.5	10979
	3 x 300 (S)	61 / 2.52	1.8	52.3	2.5	63.0	13153
	3 x 400 (S)	61 / 2.85	2.0	60.8	2.5	71.9	16378
4 CORES	4 x 1.5	7 / 0.53	0.6	8.8	0.9	13.5	416
	4 x 2.5	7 / 0.67	0.7	10.3	0.9	15.2	526
	4 x 4	7 / 0.85	0.7	11.6	0.9	16.5	642
	4 x 6	7 / 1.04	0.7	13.0	1.25	18.8	880
	4 x 10	7 / 1.35	0.7	15.2	1.25	21.0	1156
	4 x 16	7 / 1.70	0.7	17.8	1.25	24.5	1531
	4 x 25	7 / 2.14	0.9	22.3	1.6	29.2	2335
	4 x 35	7 / 2.52	0.9	25.1	1.6	32.2	2914
	4 x 50 (S)	19 / 1.78	1.0	25.3	1.6	32.6	3351
	4 x 70 (S)	19 / 2.14	1.1	29.7	2.0	38.2	4717
	4 x 95 (S)	19 / 2.52	1.1	33.4	2.0	42.1	5988
	4 x 120 (S)	37 / 2.03	1.2	37.2	2.5	47.1	7625
	4 x 150 (S)	37 / 2.25	1.4	42.7	2.5	52.8	9164
	4 x 185 (S)	37 / 2.52	1.6	47.3	2.5	57.8	11059
	4 x 240 (S)	61 / 2.25	1.7	54.6	2.5	65.3	13939
	4 x 300 (S)	61 / 2.52	1.8	60.5	2.5	71.6	16865
5 CORES	5 x 1.5	7 / 0.53	0.6	9.6	0.9	14.5	478
	5 x 2.5	7 / 0.67	0.7	11.3	0.9	16.2	599
	5 x 4	7 / 0.85	0.7	12.7	0.9	18.5	752
	5 x 6	7 / 1.04	0.7	14.3	1.25	20.1	1007
	5 x 10	7 / 1.35	0.7	16.8	1.25	22.8	1352
	5 x 16	7 / 1.70	0.7	20.0	1.6	26.9	1977
	5 x 25	7 / 2.14	0.9	24.7	1.6	31.8	2764
	5 x 35	7 / 2.52	0.9	27.7	1.6	35.0	3456
	5 x 50	19 / 1.78	1.0	32.7	2.0	41.0	4553
	5 x 70	19 / 2.14	1.1	38.1	2.0	46.8	5961

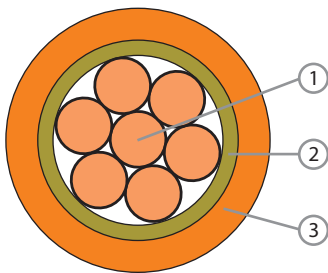
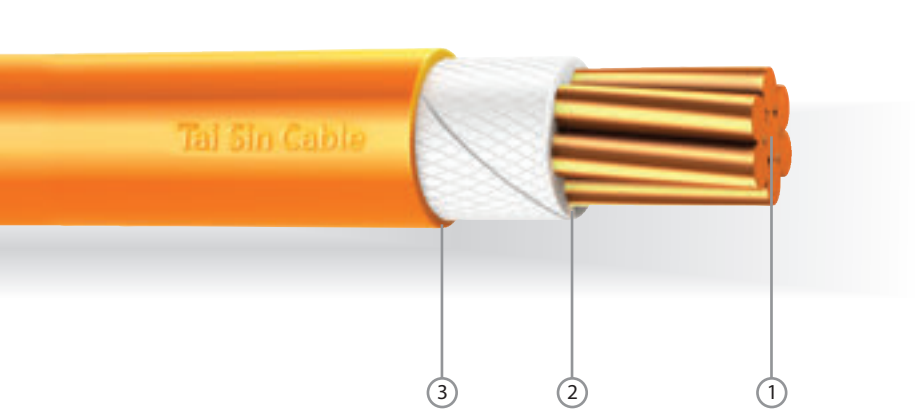
Note : (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.8 and B2.8 on Page 44.

Table 18

FR-H 110

CU / MGT / LSZH (SINGLE CORE)

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



- Component**
- 1. Plain Annealed Copper Wire
 - 2. Mica Tape
 - 3. Cross-linked Polyolefin Low Smoke Zero Halogen Compound

CONSTRUCTION		REFERENCE STANDARDS	
Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted	Design Specification:	BS7211
Fire Barrier:	Mica Tape (MGT)	Conductor:	IEC60228, BS EN60228
Insulation:	Cross-linked Polyolefin (LSZH) Low Smoke Zero Halogen Compound	Fire Resistance:	BS6387 (C,W,Z), SS299 (C), IEC60331
Insulation Colour:	Orange or Others	Flame Retardancy:	IEC60332-3-22, BS EN60332-3-22
ELECTRICAL CHARACTERISTICS		Low Smoke Zero Halogen:	IEC61034-2, BS EN61034-2 IEC60754-1, IEC60754-2 BS EN50267-2-1, BS EN50267-2-2
Operating Voltage:	450 / 750V (0.6/1kV*)	INSTALLATION REFERENCE	
Operating Temperature:	-15°C to 90°C	Min. Bending Radius (mm):	8 x cable overall diameter
Final Short Circuit Temperature:	250°C	Max. Pulling Tension (N/mm ²):	50
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	4.1	32
	1 x 2.5	7 / 0.67	0.8	4.8	46
	1 x 4	7 / 0.85	0.8	5.3	62
	1 x 6	7 / 1.04	0.8	5.9	84
	1 x 10	7 / 1.35	1.0	7.3	135
	1 x 16	7 / 1.70	1.0	8.3	195
	1 x 25	7 / 2.14	1.2	10.1	299
	1 x 35	7 / 2.52	1.2	11.2	397
	1 x 50	19 / 1.78	1.4	12.9	533
	1 x 70	19 / 2.14	1.4	14.7	740
	1 x 95	19 / 2.52	1.6	17.0	1015
	1 x 120	37 / 2.03	1.6	18.7	1257
	1 x 150	37 / 2.25	1.8	20.6	1524
	1 x 185	37 / 2.52	2.0	22.9	1926
	1 x 240	61 / 2.25	2.2	25.9	2510
	1 x 300	61 / 2.52	2.4	28.7	3131
	1 x 400	61 / 2.85	2.6	32.1	3975
	1 x 500	61 / 3.20	2.8	35.6	4978
	1 x 630	127 / 2.52	2.8	39.6	6333

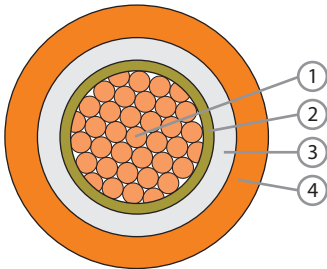
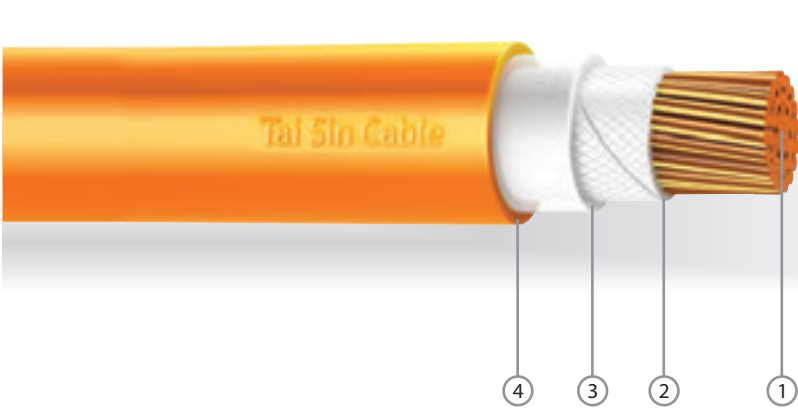
Note: For FR-H cables, Cross-linked LSZH Compound will be used as the insulation material.
For current rating and voltage drop, please refer to Table B1.5 and B2.5 on Page 41.
* Condition apply.

Table 19

FR-XH

CU / MGT / XLPE / LSZH (SINGLE CORE)

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



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

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted
Fire Barrier:	Mica Tape (MGT)
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	Natural
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
Outer Sheath Colour:	Orange or Others

REFERENCE STANDARDS

Design Specification:	IEC60502-1
Conductor:	IEC60228, BS EN60228
Fire Resistance:	BS6387 (C,W,Z), SS299 (C), IEC60331
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

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

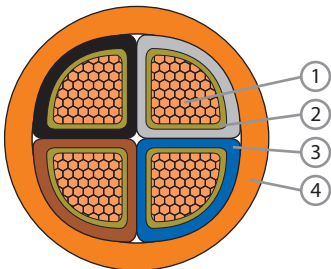
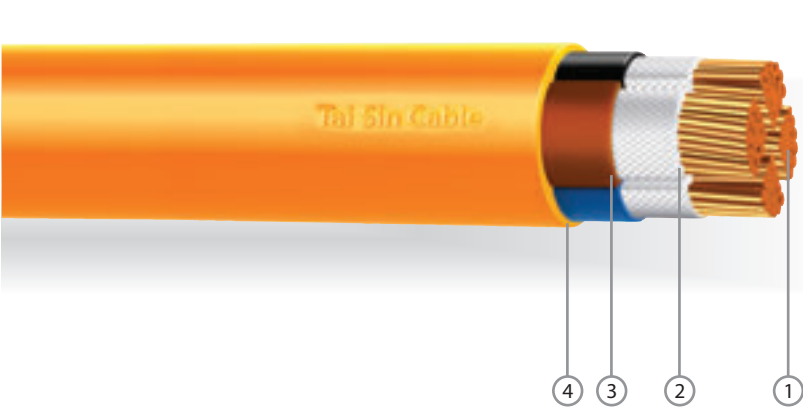
SINGLE CORE	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
	1 x 1.5	7 / 0.53	0.7	6.1	78
	1 x 2.5	7 / 0.67	0.7	6.5	92
	1 x 4	7 / 0.85	0.7	7.1	114
	1 x 6	7 / 1.04	0.7	7.6	141
	1 x 10	7 / 1.35	0.7	8.6	192
	1 x 16	7 / 1.70	0.7	9.6	261
	1 x 25	7 / 2.14	0.9	11.3	376
	1 x 35	7 / 2.52	0.9	12.5	482
	1 x 50	19 / 1.78	1.0	14.1	624
	1 x 70	19 / 2.14	1.1	16.1	851
	1 x 95	19 / 2.52	1.1	18.2	1131
	1 x 120	37 / 2.03	1.2	20.0	1393
	1 x 150	37 / 2.25	1.4	22.2	1695
	1 x 185	37 / 2.52	1.6	24.4	2088
	1 x 240	61 / 2.25	1.7	27.5	2687
	1 x 300	61 / 2.52	1.8	30.3	3319
	1 x 400	61 / 2.85	2.0	33.9	4190
	1 x 500	61 / 3.20	2.2	37.6	5222
	1 x 630	127 / 2.52	2.4	42.4	6675
	1 x 800	127 / 2.85	2.6	47.3	8436
	1 x 1000	127 / 3.20	2.8	52.4	10525

For current rating and voltage drop, please refer to Table B1.5 and B2.5 on Page 41.

FR-XH

CU / MGT / XLPE / LSZH (2 CORES - 5 CORES)

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



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

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular, Compacted or Sectored
Fire Barrier:	Mica Tape (MGT)
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	2 Cores: Brown, Blue or Red, Black 3 Cores: Brown, Black, Grey or Red, Yellow, Blue 4 Cores: Brown, Black, Grey, Blue or Red, Yellow, Blue, Black 5 Cores: Brown, Black, Grey, Blue, Green/Yellow or Red, Yellow, Blue, Black, Green/Yellow or White with Black numbering or Others
Assembly:	Cores cabled together with filler and covered with Polyester (PET) Tape
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
Outer Sheath Colour:	Orange or Others

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
Fire Resistance:	BS6387 (C,W,Z), SS299 (C,W,Z), IEC60331
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

	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)
2 CORES	2 x 1.5	7 / 0.53	0.7	12.1	186
	2 x 2.5	7 / 0.67	0.7	12.9	223
	2 x 4	7 / 0.85	0.7	14.0	277
	2 x 6	7 / 1.04	0.7	15.1	343
	2 x 10	7 / 1.35	0.7	17.0	409
	2 x 16	7 / 1.70	0.7	19.1	639
	2 x 25	7 / 2.14	0.9	22.5	933
	2 x 35	7 / 2.52	0.9	24.8	1196
	2 x 50 (S)	19 / 1.78	1.0	23.4	1292
	2 x 70 (S)	19 / 2.14	1.1	26.4	1750
	2 x 95 (S)	19 / 2.52	1.1	29.2	2308
	2 x 120 (S)	37 / 2.03	1.2	32.2	2852
	2 x 150 (S)	37 / 2.25	1.4	36.0	3484
	2 x 185 (S)	37 / 2.52	1.6	39.8	4302
	2 x 240 (S)	61 / 2.25	1.7	44.2	5528
	2 x 300 (S)	61 / 2.52	1.8	48.4	6806

Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 42.

Table 21

FR-XH

CU / MGT / XLPE / LSZH (2 CORES - 5 CORES)

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



	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)
3 CORES	3 x 1.5	7 / 0.53	0.7	12.7	213
	3 x 2.5	7 / 0.67	0.7	13.6	259
	3 x 4	7 / 0.85	0.7	14.8	328
	3 x 6	7 / 1.04	0.7	16.0	413
	3 x 10	7 / 1.35	0.7	18.0	577
	3 x 16	7 / 1.70	0.7	20.3	801
	3 x 25	7 / 2.14	0.9	24.0	1183
	3 x 35	7 / 2.52	0.9	26.5	1534
	3 x 50 (S)	19 / 1.78	1.0	26.3	1826
	3 x 70 (S)	19 / 2.14	1.1	29.9	2511
	3 x 95 (S)	19 / 2.52	1.1	33.2	3331
	3 x 120 (S)	37 / 2.03	1.2	36.4	4127
	3 x 150 (S)	37 / 2.25	1.4	41.3	5056
	3 x 185 (S)	37 / 2.52	1.6	45.6	6256
	3 x 240 (S)	61 / 2.25	1.7	51.9	8082
	3 x 300 (S)	61 / 2.52	1.8	55.8	9952
	3 x 400 (S)	61 / 2.85	2.0	65.2	12671
	3 x 500 (S)	61 / 3.20	2.2	71.4	15789
4 CORES	4 x 1.5	7 / 0.53	0.7	13.8	254
	4 x 2.5	7 / 0.67	0.7	14.8	312
	4 x 4	7 / 0.85	0.7	16.1	400
	4 x 6	7 / 1.04	0.7	17.5	508
	4 x 10	7 / 1.35	0.7	19.7	718
	4 x 16	7 / 1.70	0.7	22.3	1006
	4 x 25	7 / 2.14	0.9	26.5	1496
	4 x 35	7 / 2.52	0.9	29.2	1949
	4 x 50 (S)	19 / 1.78	1.0	29.7	2367
	4 x 70 (S)	19 / 2.14	1.1	33.7	3280
	4 x 95 (S)	19 / 2.52	1.1	37.5	4364
	4 x 120 (S)	37 / 2.03	1.2	41.7	5430
	4 x 150 (S)	37 / 2.25	1.4	46.7	6634
	4 x 185 (S)	37 / 2.52	1.6	51.5	8239
	4 x 240 (S)	61 / 2.25	1.7	58.6	10648
	4 x 300 (S)	61 / 2.52	1.8	64.2	13177
	4 x 400 (S)	61 / 2.85	2.0	74.1	16752
	4 x 500 (S)	61 / 3.20	2.2	84.9	20967
5 CORES	5 x 1.5	7 / 0.53	0.7	15.0	301
	5 x 2.5	7 / 0.67	0.7	16.1	372
	5 x 4	7 / 0.85	0.7	17.5	480
	5 x 6	7 / 1.04	0.7	19.1	613
	5 x 10	7 / 1.35	0.7	21.6	872
	5 x 16	7 / 1.70	0.7	24.4	1229
	5 x 25	7 / 2.14	0.9	29.1	1835
	5 x 35	7 / 2.52	0.9	32.2	2397
	5 x 50	19 / 1.78	1.0	37.0	2979
	5 x 70	19 / 2.14	1.1	42.8	4137
	5 x 95	19 / 2.52	1.1	48.1	5505
	5 x 120	37 / 2.03	1.2	53.4	6855

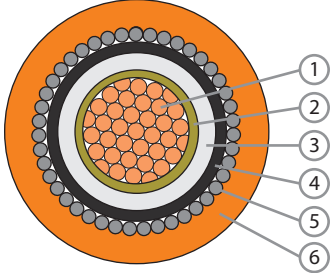
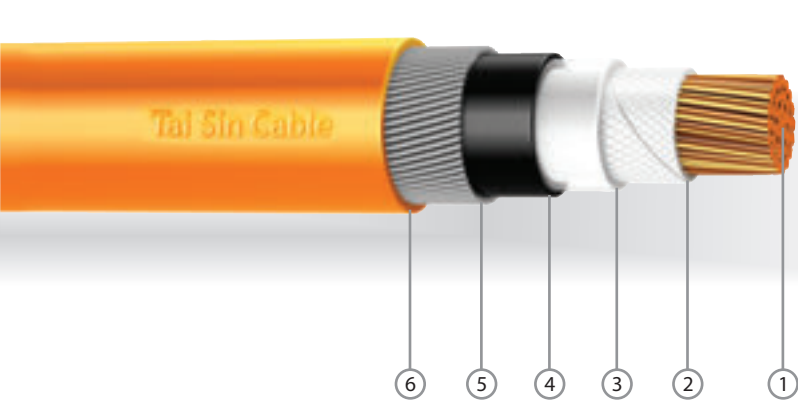
Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.6 and B2.6 on Page 42.

Table 22

FR-XAH

CU / MGT / XLPE / LSZH / AWA / LSZH (SINGLE CORE)

Mica Taped, XLPE Insulated, LSZH Bedded, Aluminium Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, IEC60502



- Component**
- 1. Plain Annealed Copper Wire
 - 2. Mica Tape
 - 3. Cross-linked Polyethylene Compound
 - 4. Low Smoke Zero Halogen (LSZH) Compound
 - 5. Aluminium Wire Armoured
 - 6. Low Smoke Zero Halogen (LSZH) Compound

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted
Fire Barrier:	Mica Tape (MGT)
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	Natural
Bedding:	Low Smoke Zero Halogen (LSZH) Compound
Bedding Colour:	Black
Armour:	Aluminium Wire Armoured (AWA)
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
Outer Sheath Colour:	Orange or Others

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
Fire Resistance:	BS6387 (C,W,Z), SS299 (C,W,Z), IEC60331
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):	10 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)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
SINGLE CORE	1 x 50	19 / 1.78	1.0	14.3	1.25	20.5	996
	1 x 70	19 / 2.14	1.1	16.3	1.25	22.5	1265
	1 x 95	19 / 2.52	1.1	18.2	1.25	24.4	1573
	1 x 120	37 / 2.03	1.2	20.1	1.6	27.0	1931
	1 x 150	37 / 2.25	1.4	22.0	1.6	28.9	2269
	1 x 185	37 / 2.52	1.6	24.3	1.6	31.2	2711
	1 x 240	61 / 2.25	1.7	27.1	1.6	34.2	3379
	1 x 300	61 / 2.52	1.8	29.7	1.6	36.8	4056
	1 x 400	61 / 2.85	2.0	33.5	2.0	41.8	5168
	1 x 500	61 / 3.20	2.2	37.0	2.0	45.5	6302
	1 x 630	127 / 2.52	2.4	41.4	2.0	50.1	7856
	1 x 800	127 / 2.85	2.6	46.5	2.5	56.6	9996
	1 x 1000	127 / 3.20	2.8	51.4	2.5	61.9	12269

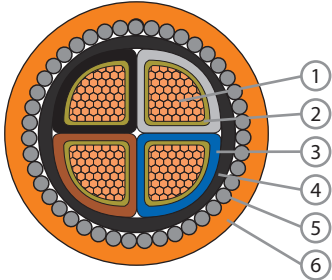
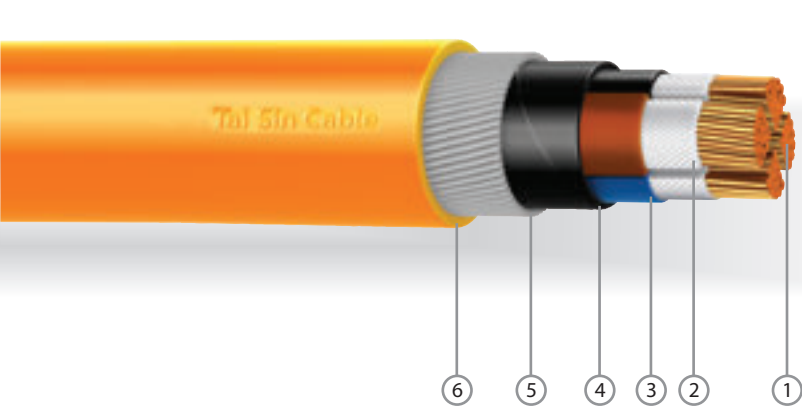
For current rating and voltage drop, please refer to Table B1.7 and B2.7 on Page 43.

Table 23

FR-XSH

CU / MGT / XLPE / LSZH / SWA / LSZH (2 CORES - 5 CORES)

Mica Taped, XLPE Insulated, LSZH Bedded, Galvanised Steel Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, BS7846



- Component**
1. Plain Annealed Copper Wire
 2. Mica Tape
 3. Cross-linked Polyethylene Compound
 4. Low Smoke Zero Halogen (LSZH) Compound
 5. Galvanised Steel Wire Armoured
 6. Low Smoke Zero Halogen (LSZH) Compound

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular, Compacted or Sectored
Fire Barrier:	Mica Tape (MGT)
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	2 Cores: Brown, Blue or Red, Black 3 Cores: Brown, Black, Grey or Red, Yellow, Blue 4 Cores: Brown, Black, Grey, Blue or Red, Yellow, Blue, Black 5 Cores: Brown, Black, Grey, Blue, Green/ Yellow or Red, Yellow, Blue, Black, Green/Yellow or White with Black numbering or Others
Assembly:	Cores cabled together with filler and covered with Polyester (PET) Tape
Bedding:	Low Smoke Zero Halogen (LSZH) Compound
Bedding Colour:	Black
Armour:	Galvanized Steel Wire Armoured (SWA)
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
Outer Sheath Colour:	Orange or Others

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:	BS7846
Conductor:	IEC60228, BS EN60228
Fire Resistance:	BS6387 (C,W,Z), SS299 (C,W,Z), IEC60331
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):	10 x cable overall diameter
Max. Pulling Tension (N/mm ²):	70

	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
2 CORES	2 x 1.5	7 / 0.53	0.6	9.6	0.9	11.4	438
	2 x 2.5	7 / 0.67	0.7	11.0	0.9	16.0	531
	2 x 4	7 / 0.85	0.7	12.6	0.9	17.0	607
	2 x 6	7 / 1.04	0.7	13.2	0.9	18.2	709
	2 x 10	7 / 1.35	0.7	15.0	1.25	20.2	888
	2 x 16	7 / 1.70	0.7	17.0	1.25	22.9	1228
	2 x 25	7 / 2.14	0.9	20.6	1.6	26.7	1657
	2 x 35	7 / 2.52	0.9	23.2	1.6	30.2	2210
	2 x 50 (S)	19 / 1.78	1.0	21.8	1.6	29.0	2256
	2 x 70 (S)	19 / 2.14	1.1	24.8	1.6	32.2	2859
	2 x 95 (S)	19 / 2.52	1.1	27.8	2.0	36.2	3804
	2 x 120 (S)	37 / 2.03	1.2	30.6	2.0	39.2	4512
	2 x 150 (S)	37 / 2.25	1.4	34.0	2.0	42.8	5298
	2 x 185 (S)	37 / 2.52	1.6	38.0	2.5	48.2	6756
	2 x 240 (S)	61 / 2.25	1.7	42.0	2.5	52.4	8222
	2 x 300 (S)	61 / 2.52	1.8	46.4	2.5	57.0	9847

Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.8 and B2.8 on Page 44.

Table 24

FR-XSH

CU / MGT / XLPE / LSZH / SWA / LSZH (2 CORES - 5 CORES)

Mica Taped, XLPE Insulated, LSZH Bedded, Galvanised Steel Wire Armoured, LSZH Sheathed Cable,
0.6 / 1kV, BS7846



	Nominal Conductor Area (mm²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approximate Weight (kg/km)
3 CORES	3 x 1.5	7 / 0.53	0.6	10.2	0.9	15.0	477
	3 x 2.5	7 / 0.67	0.7	11.7	0.9	16.7	581
	3 x 4	7 / 0.85	0.7	12.8	0.9	17.8	677
	3 x 6	7 / 1.04	0.7	14.1	0.9	19.1	799
	3 x 10	7 / 1.35	0.7	16.1	1.25	22.0	1139
	3 x 16	7 / 1.70	0.7	18.2	1.25	24.3	1440
	3 x 25	7 / 2.14	0.9	22.5	1.6	29.5	2174
	3 x 35	7 / 2.52	0.9	24.9	1.6	32.1	2627
	3 x 50 (S)	19 / 1.78	1.0	24.7	1.6	31.9	2916
	3 x 70 (S)	19 / 2.14	1.1	28.1	1.6	35.5	3756
	3 x 95 (S)	19 / 2.52	1.1	31.6	2.0	40.2	5029
	3 x 120 (S)	37 / 2.03	1.2	34.6	2.0	43.4	5993
	3 x 150 (S)	37 / 2.25	1.4	39.1	2.5	49.1	7514
	3 x 185 (S)	37 / 2.52	1.6	43.6	2.5	53.8	9046
	3 x 240 (S)	61 / 2.25	1.7	49.5	2.5	60.1	11276
	3 x 300 (S)	61 / 2.52	1.8	53.6	2.5	64.4	13464
	3 x 400 (S)	61 / 2.85	2.0	62.4	2.5	73.6	16724
4 CORES	4 x 1.5	7 / 0.53	0.6	11.2	0.9	16.0	541
	4 x 2.5	7 / 0.67	0.7	12.9	0.9	17.9	667
	4 x 4	7 / 0.85	0.7	14.1	0.9	19.1	782
	4 x 6	7 / 1.04	0.7	15.6	1.25	21.5	1055
	4 x 10	7 / 1.35	0.7	17.8	1.25	23.7	1331
	4 x 16	7 / 1.70	0.7	20.2	1.25	26.3	1709
	4 x 25	7 / 2.14	0.9	24.9	1.6	31.9	2574
	4 x 35	7 / 2.52	0.9	27.6	1.6	34.8	3167
	4 x 50 (S)	19 / 1.78	1.0	28.1	1.6	35.5	3622
	4 x 70 (S)	19 / 2.14	1.1	32.1	2.0	40.7	5005
	4 x 95 (S)	19 / 2.52	1.1	35.7	2.0	44.5	6293
	4 x 120 (S)	37 / 2.03	1.2	39.3	2.5	49.3	7961
	4 x 150 (S)	37 / 2.25	1.4	44.7	2.5	54.9	9516
	4 x 185 (S)	37 / 2.52	1.6	49.1	2.5	59.7	11386
	4 x 240 (S)	61 / 2.25	1.7	56.2	2.5	67.0	14284
	4 x 300 (S)	61 / 2.52	1.8	61.4	2.5	72.6	17179
5 CORES	5 x 1.5	7 / 0.53	0.6	12.3	0.9	17.3	619
	5 x 2.5	7 / 0.67	0.7	14.2	0.9	19.2	755
	5 x 4	7 / 0.85	0.7	15.6	0.9	20.8	906
	5 x 6	7 / 1.04	0.7	17.2	1.25	23.1	1210
	5 x 10	7 / 1.35	0.7	19.6	1.25	25.7	1560
	5 x 16	7 / 1.70	0.7	22.7	1.6	29.7	2215
	5 x 25	7 / 2.14	0.9	27.6	1.6	34.8	3051
	5 x 35	7 / 2.52	0.9	30.6	1.6	38.0	3743
	5 x 50	19 / 1.78	1.0	35.5	2.0	43.9	4858
	5 x 70	19 / 2.14	1.1	40.9	2.0	49.7	6317
	5 x 95	19 / 2.52	1.1	46.4	2.5	56.4	8521
	5 x 120	37 / 2.03	1.2	51.5	2.5	61.9	10194

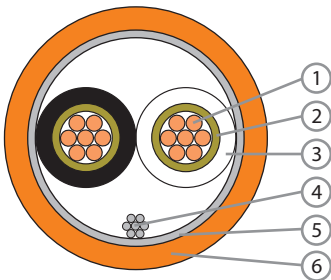
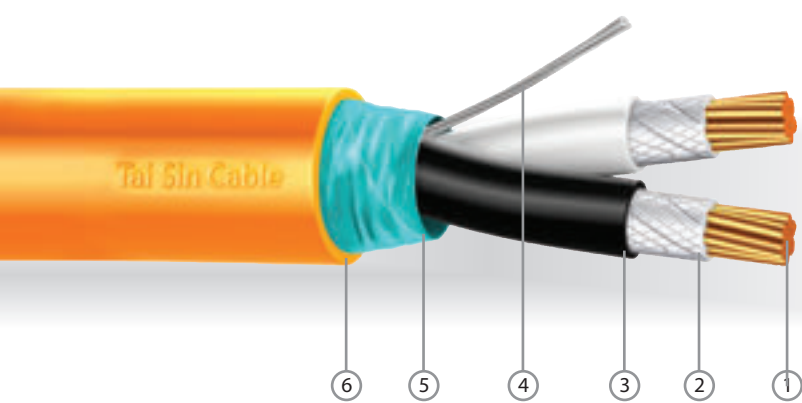
Note: (S) - Sectoral Stranded Conductors.
For current rating and voltage drop, please refer to Table B1.8 and B2.8 on Page 44.

Table 25

FR-XOL

CU / MGT / XLPE / OS / LSZH (SINGLE PAIR)

Mica Taped, XLPE Insulated, Overall Aluminium Foil Screened, LSZH Sheathed Cable,
300 / 500V, BS EN50288-7



- Component**
- 1. Plain Annealed Copper Wire
 - 2. Mica Tape
 - 3. Cross-linked Polyethylene Compound
 - 4. Tinned Copper Drain Wire
 - 5. Aluminium / Polyester Tape
 - 6. Low Smoke Zero Halogen (LSZH) Compound

CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular
Fire Barrier:	Mica Tape (MGT)
Insulation:	Cross-linked Polyethylene (XLPE) Compound
Insulation Colour:	Black, White or Others
Lay Up:	Pair - Cores twisted to pair
Wrap Film:	Polyester Binder Tape
Overall Screen:	Aluminium/Polyester Tape, with a Tinned Copper Drain Wire 0.5mm ² (7/0.3mm) (OS)
Outer Sheath:	Low Smoke Zero Halogen (LSZH) Compound with Anti-Termite Characteristic and UV Resistant
Outer Sheath Colour:	Orange or Others

ELECTRICAL CHARACTERISTICS

Operating Voltage, U _o /U:	300/500V
Operating Temperature:	-15°C to 90°C
Final Short Circuit Temperature:	250°C
Test Voltage:	2kV for 1 minute

REFERENCE STANDARDS

Design Specification:	BS EN50288-7
Conductor:	IEC60228, BS EN60228
Fire Resistance:	BS6387 (C, W, Z), SS299 (C, W, Z), IEC60331
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 Pairs	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)
SINGLE PAIR	1P	1.0	7 / 0.43	0.6	10.0	98
	1P	1.5	7 / 0.53	0.6	10.6	113
	1P	2.5	7 / 0.67	0.7	12.0	150

Note: Class 5 conductors are available upon request.

Table 26