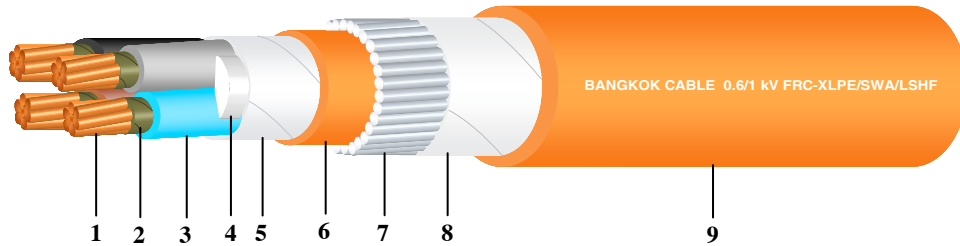


0.6/1 kV FRC-XLPE/SWA/LSHF (4 CORES) FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Circuit integrity	: BS 6387 Categories C, W, Z : IEC 60331-21
Flame propagation	: IEC 60332-1-2 : IEC 60332-3-24 Category C
Acid gas emission	: IEC 60754-1 : IEC 60754-2
Smoke emission	: IEC 61034-2

Construction :

1. Conductor	: Concentric stranded or Compacted stranded copper wires
2. Fire barrier tape	: Mica tape
3. Insulation	: Cross-linked polyethylene (XLPE) Blue, Brown, Black, Grey colour or requested colour
4. Filler	: LSHF rod and/or FR-filler yarn
5. Binding tape	: Polyester tape
6. Inner sheath	: Low smoke & halogen free compound (LSHF)
7. Armour	: Galvanized steel wires
8. Binding tape	: Polyester tape
9. Outer sheath	: Low smoke & halogen free compound (LSHF), Orange colour

Classification :

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 1,000 V
AC test voltage	: 3,500 V

Application :

Preferably used for installation into conduit and open tray wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)									
4	1.5	7	1.53	0.7	1.0	0.8	1.8	19.5	12.1	22	520	500
4	2.5	7	1.98	0.7	1.0	1.25	1.8	21.5	7.41	29	740	500
4	4	7	2.49	0.7	1.0	1.25	1.8	23.0	4.61	39	860	500
4	6	7	3.09	0.7	1.0	1.25	1.8	24.0	3.08	50	1,010	500
4	10	6	3.72	0.7	1.0	1.25	1.8	25.5	1.83	67	1,230	500
4	16	6	4.69	0.7	1.0	1.6	1.8	28.5	1.15	89	1,730	500
4	25	6	5.90	0.9	1.0	1.6	1.8	33.0	0.727	120	2,360	500
4	35	6	6.95	0.9	1.0	1.6	1.9	36.0	0.524	145	2,910	500
4	50	6	8.33	1.0	1.0	2.0	2.1	41.0	0.387	175	3,920	400
4	70	12	9.73	1.1	1.2	2.0	2.2	45.5	0.268	220	5,100	400
4	95	15	11.43	1.1	1.2	2.5	2.4	51.0	0.193	275	6,880	300
4	120	18	12.95	1.2	1.4	2.5	2.6	56.5	0.153	315	8,350	250
4	150	18	14.27	1.4	1.4	2.5	2.7	61.0	0.124	360	9,890	200
4	185	30	15.98	1.6	1.6	2.5	2.9	67.0	0.0991	410	12,040	150
4	240	34	18.47	1.7	1.6	2.5	3.1	74.0	0.0754	480	15,020	100
4	300	34	20.68	1.8	1.6	3.15	3.3	82.0	0.0601	550	18,990	100
4	400	53	23.39	2.0	1.8	3.15	3.6	90.5	0.0470	625	23,470	100