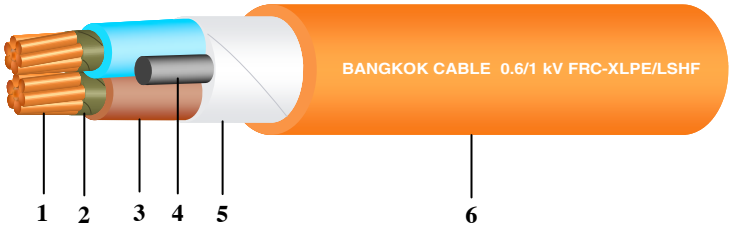
0.6/1 kV FRC-XLPE/LSHF (2 CORES)

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES



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 60754-2
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 colour or requested colour
4. Filler	: LSHF rod
5. Binding tape	: Fiberglass tape
6. 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 surface 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	Thickness of sheath	Overall diameter	Conductor resistance at 20°C	Current rating in free air at 40°C ambient	Cable weight	Standard length
	Cross-sectional area	No. of wires	Diameter							
	mm^2	(Min.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m
2	1.5	7	1.53	0.7	1.8	13.0	12.1	24	160	500
2	2.5	7	1.98	0.7	1.8	13.5	7.41	33	190	500
2	4	7	2.49	0.7	1.8	15.0	4.61	44	250	500
2	6	7	3.09	0.7	1.8	16.0	3.08	57	310	500
2	10	6	3.72	0.7	1.8	17.0	1.83	78	410	500
2	16	6	4.69	0.7	1.8	19.0	1.15	105	560	500
2	25	6	5.90	0.9	1.8	22.5	0.727	135	820	500
2	35	6	6.95	0.9	1.8	25.0	0.524	168	1,070	500
2	50	6	8.33	1.0	1.8	28.0	0.387	212	1,400	500
2	70	12	9.73	1.1	1.8	31.5	0.268	263	1,900	500
2	95	15	11.43	1.1	1.9	35.0	0.193	321	2,540	500
2	120	18	12.95	1.2	2.0	38.5	0.153	373	3,160	500
2	150	18	14.27	1.4	2.1	42.5	0.124	431	3,880	400
2	185	30	15.98	1.6	2.3	47.5	0.0991	493	4,840	400
2	240	34	18.47	1.7	2.5	53.0	0.0754	584	6,260	300
2	300	34	20.68	1.8	2.6	58.5	0.0601	674	7,730	250
2	400	53	23.39	2.0	2.9	65.5	0.0470	812	9,840	200