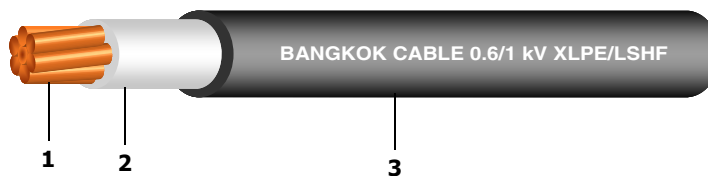


0.6/1 kV XLPE/LSHF (1 CORE) LOW SMOKE & HALOGEN FREE CABLES



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Flame propagation	: IEC 60332-1-2
	: IEC 60332-3-24 Category C
	: IEC 60332-3-22 Category A
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. Insulation	: Cross-linked polyethylene (XLPE), Natural colour
3. Sheath	: Low smoke & halogen free compound (LSHF), Black colour, or requested 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 in case of fire.

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of 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.)							
1	1.5	7	1.53	0.7	1.4	6.5	12.1	27	50	500
1	2.5	7	1.98	0.7	1.4	7.0	7.41	38	60	500
1	4	7	2.49	0.7	1.4	7.5	4.61	51	80	500
1	6	7	3.09	0.7	1.4	8.0	3.08	66	110	500
1	10	6	3.72	0.7	1.4	9.0	1.83	92	150	500
1	16	6	4.69	0.7	1.4	9.5	1.15	124	210	500
1	25	6	5.90	0.9	1.4	11.5	0.727	166	310	500
1	35	6	6.95	0.9	1.4	12.5	0.524	206	410	500
1	50	6	8.33	1.0	1.4	14.0	0.387	259	550	500
1	70	12	9.73	1.1	1.4	15.5	0.268	321	750	500
1	95	15	11.43	1.1	1.5	17.5	0.193	391	1,020	500
1	120	18	12.95	1.2	1.5	19.5	0.153	455	1,270	500
1	150	18	14.27	1.4	1.6	21.5	0.124	525	1,560	500
1	185	30	15.98	1.6	1.6	23.5	0.0991	602	1,940	500
1	240	34	18.47	1.7	1.7	26.5	0.0754	711	2,520	500
1	300	34	20.68	1.8	1.8	29.0	0.0601	821	3,130	500
1	400	53	23.39	2.0	1.9	32.5	0.0470	988	3,980	500