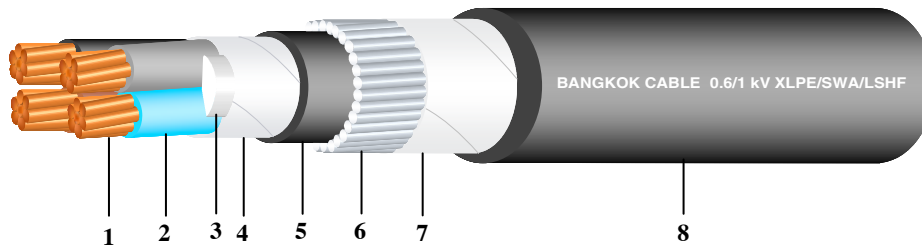


0.6/1 kV XLPE/SWA/LSHF (4 CORES) LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
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. Insulation	: Cross-linked polyethylene (XLPE) Blue, Brown, Black, Grey colour or requested colour
3. Filler	: LSHF rod and/or FR-filler yarn
4. Binding tape	: Polyester tape
5. Inner sheath	: Low smoke & halogen free compound (LSHF), Black colour
6. Armour	: Galvanized steel wires
7. Binding tape	: Polyester tape
8. Outer 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 open tray 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 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	16.0	12.1	22	420	500
4	2.5	7	1.98	0.7	1.0	1.25	1.8	18.0	7.41	29	610	500
4	4	7	2.49	0.7	1.0	1.25	1.8	19.5	4.61	39	720	500
4	6	7	3.09	0.7	1.0	1.25	1.8	21.0	3.08	50	870	500
4	10	6	3.72	0.7	1.0	1.25	1.8	22.5	1.83	67	1,090	500
4	16	6	4.69	0.7	1.0	1.6	1.8	25.5	1.15	89	1,570	500
4	25	6	5.90	0.9	1.0	1.6	1.8	29.5	0.727	120	2,170	500
4	35	6	6.95	0.9	1.0	1.6	1.9	32.5	0.524	145	2,740	500
4	50	6	8.33	1.0	1.0	2.0	2.1	38.0	0.387	175	3,740	500
4	70	12	9.73	1.1	1.2	2.0	2.2	42.5	0.268	220	4,900	400
4	95	15	11.43	1.1	1.2	2.5	2.4	48.0	0.193	275	6,660	400
4	120	18	12.95	1.2	1.4	2.5	2.6	53.0	0.153	315	8,120	300
4	150	18	14.27	1.4	1.4	2.5	2.7	58.0	0.124	360	9,620	250
4	185	30	15.98	1.6	1.6	2.5	2.9	64.0	0.0991	410	11,750	200
4	240	34	18.47	1.7	1.6	2.5	3.1	71.0	0.0754	480	14,710	100
4	300	34	20.68	1.8	1.6	3.15	3.3	78.5	0.0601	550	18,660	100
4	400	53	23.39	2.0	1.8	3.15	3.6	87.5	0.0470	625	23,100	100