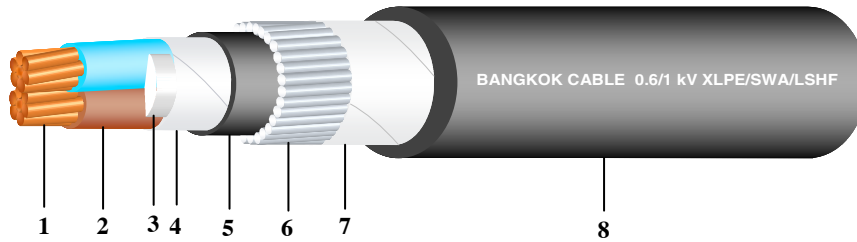


0.6/1 kV XLPE/SWA/LSHF (2 CORES) LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



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 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.)									
2	1.5	7	1.53	0.7	1.0	0.8	1.8	15.0	12.1	26	340	500
2	2.5	7	1.98	0.7	1.0	0.8	1.8	15.5	7.41	35	390	500
2	4	7	2.49	0.7	1.0	1.25	1.8	17.5	4.61	46	560	500
2	6	7	3.09	0.7	1.0	1.25	1.8	19.0	3.08	59	660	500
2	10	6	3.72	0.7	1.0	1.25	1.8	20.0	1.83	80	800	500
2	16	6	4.69	0.7	1.0	1.25	1.8	22.0	1.15	105	1,000	500
2	25	6	5.90	0.9	1.0	1.6	1.8	26.5	0.727	140	1,520	500
2	35	6	6.95	0.9	1.0	1.6	1.8	28.5	0.524	170	1,830	500
2	50	6	8.33	1.0	1.0	1.6	1.9	32.0	0.387	210	2,310	500
2	70	12	9.73	1.1	1.0	2.0	2.1	36.5	0.268	260	3,180	500
2	95	15	11.43	1.1	1.2	2.0	2.2	40.5	0.193	320	4,020	500
2	120	18	12.95	1.2	1.2	2.0	2.3	44.5	0.153	370	4,820	400
2	150	18	14.27	1.4	1.2	2.5	2.4	49.5	0.124	420	6,110	400
2	185	30	15.98	1.6	1.4	2.5	2.6	54.5	0.0991	480	7,390	300
2	240	34	18.47	1.7	1.4	2.5	2.8	60.5	0.0754	560	9,090	250
2	300	34	20.68	1.8	1.6	2.5	2.9	66.0	0.0601	635	10,930	150
2	400	53	23.39	2.0	1.6	2.5	3.2	73.0	0.0470	725	13,400	100