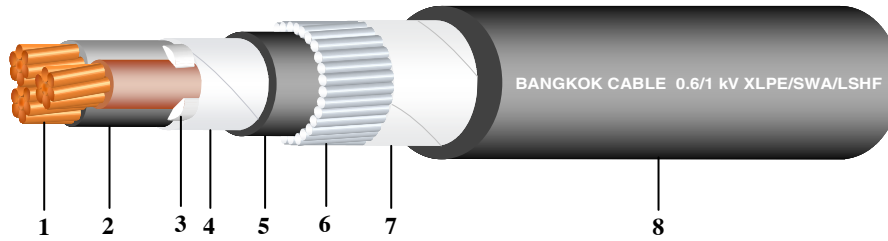


## 0.6/1 kV XLPE/SWA/LSHF (3 CORES) LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



### 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) 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 <sup>2</sup>	No. of wires (Min.)	Diameter mm (Approx.)									
3	1.5	7	1.53	0.7	1.0	0.8	1.8	15.5	12.1	22	370	500
3	2.5	7	1.98	0.7	1.0	0.8	1.8	16.5	7.41	29	440	500
3	4	7	2.49	0.7	1.0	1.25	1.8	18.5	4.61	39	630	500
3	6	7	3.09	0.7	1.0	1.25	1.8	19.5	3.08	50	750	500
3	10	6	3.72	0.7	1.0	1.25	1.8	21.0	1.83	67	930	500
3	16	6	4.69	0.7	1.0	1.6	1.8	23.5	1.15	89	1,320	500
3	25	6	5.90	0.9	1.0	1.6	1.8	27.5	0.727	120	1,810	500
3	35	6	6.95	0.9	1.0	1.6	1.9	30.0	0.524	145	2,250	500
3	50	6	8.33	1.0	1.0	1.6	2.0	34.0	0.387	175	2,850	500
3	70	12	9.73	1.1	1.2	2.0	2.1	39.0	0.268	220	3,990	500
3	95	15	11.43	1.1	1.2	2.0	2.2	43.0	0.193	275	5,050	400
3	120	18	12.95	1.2	1.2	2.5	2.4	48.0	0.153	315	6,490	400
3	150	18	14.27	1.4	1.4	2.5	2.5	52.5	0.124	360	7,780	300
3	185	30	15.98	1.6	1.4	2.5	2.7	58.0	0.0991	410	9,370	250
3	240	34	18.47	1.7	1.6	2.5	2.9	64.5	0.0754	480	11,770	200
3	300	34	20.68	1.8	1.6	2.5	3.1	70.5	0.0601	550	14,120	150
3	400	53	23.39	2.0	1.6	3.15	3.4	79.5	0.0470	625	18,330	100