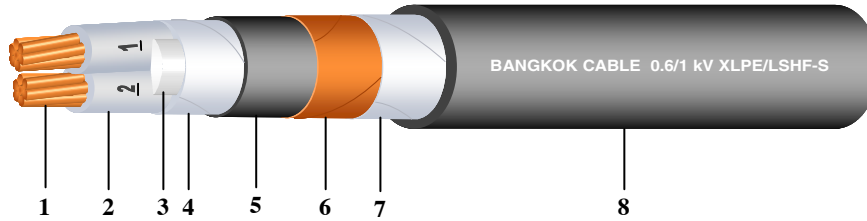


0.6/1 kV XLPE/LSHF-S

LOW SMOKE & HALOGEN FREE CONTROL CABLES WITH METALLIC SHIELD



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Flame propagation	: IEC 60332-1-2
	: IEC 60332-3 Categories A, B, C
Acid gas emission	: IEC 60754-2
Smoke emission	: IEC 61034-2

Construction :

1. Conductor	: Concentric stranded copper wires
2. Insulation	: Cross-linked polyethylene (XLPE), Natural colour with marking number
3. Filler	: LSHF rod and/or Polypropylene
4. Binding tape	: Polyester tape
5. Inner sheath	: Low smoke & halogen free compound (LSHF), Black colour
6. Metallic shield	: Annealed copper tape
7. Binding tape	: Polyester tape
8. Outer sheath	: Low smoke & halogen free compound (LSHF), Black colour, or any 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.)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°C MΩ.km (Min.)	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	1.8	13.5	12.1	2,500	210	500
	2.5	7	1.98	0.7	1.0	1.8	14.5	7.41	2,100	250	500
	4	7	2.49	0.7	1.0	1.8	15.5	4.61	1,800	300	500
	6	7	3.09	0.7	1.0	1.8	16.5	3.08	1,500	370	500
	10	7	3.99	0.7	1.0	1.8	18.5	1.83	1,200	500	500
3	1.5	7	1.53	0.7	1.0	1.8	14.0	12.1	2,500	230	500
	2.5	7	1.98	0.7	1.0	1.8	15.0	7.41	2,100	280	500
	4	7	2.49	0.7	1.0	1.8	16.0	4.61	1,800	360	500
	6	7	3.09	0.7	1.0	1.8	17.5	3.08	1,500	440	500
	10	7	3.99	0.7	1.0	1.8	19.5	1.83	1,200	610	500
4	1.5	7	1.53	0.7	1.0	1.8	15.0	12.1	2,500	270	500
	2.5	7	1.98	0.7	1.0	1.8	16.0	7.41	2,100	330	500
	4	7	2.49	0.7	1.0	1.8	17.5	4.61	1,800	420	500
	6	7	3.09	0.7	1.0	1.8	18.5	3.08	1,500	530	500
	10	7	3.99	0.7	1.0	1.8	21.0	1.83	1,200	750	500
5	1.5	7	1.53	0.7	1.0	1.8	16.0	12.1	2,500	310	500
	2.5	7	1.98	0.7	1.0	1.8	17.0	7.41	2,100	390	500
	4	7	2.49	0.7	1.0	1.8	18.5	4.61	1,800	500	500
	6	7	3.09	0.7	1.0	1.8	20.0	3.08	1,500	640	500
	10	7	3.99	0.7	1.0	1.8	22.5	1.83	1,200	900	500

0.6/1 kV XLPE/LSHF-S

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°C MΩ.km (Min.)	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)								
6	1.5	7	1.53	0.7	1.0	1.8	17.0	12.1	2,500	330	500
	2.5	7	1.98	0.7	1.0	1.8	18.0	7.41	2,100	420	500
	4	7	2.49	0.7	1.0	1.8	19.5	4.61	1,800	540	500
	6	7	3.09	0.7	1.0	1.8	21.5	3.08	1,500	690	500
	10	7	3.99	0.7	1.0	1.8	24.0	1.83	1,200	1,000	500
7	1.5	7	1.53	0.7	1.0	1.8	17.0	12.1	2,500	340	500
	2.5	7	1.98	0.7	1.0	1.8	18.0	7.41	2,100	430	500
	4	7	2.49	0.7	1.0	1.8	19.5	4.61	1,800	570	500
	6	7	3.09	0.7	1.0	1.8	21.5	3.08	1,500	740	500
	10	7	3.99	0.7	1.0	1.8	24.0	1.83	1,200	1,080	500
8	1.5	7	1.53	0.7	1.0	1.8	17.5	12.1	2,500	370	500
	2.5	7	1.98	0.7	1.0	1.8	19.0	7.41	2,100	480	500
	4	7	2.49	0.7	1.0	1.8	21.0	4.61	1,800	640	500
	6	7	3.09	0.7	1.0	1.8	23.0	3.08	1,500	830	500
	10	7	3.99	0.7	1.0	1.8	26.0	1.83	1,200	1,210	500
9	1.5	7	1.53	0.7	1.0	1.8	18.5	12.1	2,500	420	500
	2.5	7	1.98	0.7	1.0	1.8	20.5	7.41	2,100	530	500
	4	7	2.49	0.7	1.0	1.8	22.5	4.61	1,800	710	500
	6	7	3.09	0.7	1.0	1.8	24.5	3.08	1,500	930	500
	10	7	3.99	0.7	1.0	1.8	27.5	1.83	1,200	1,360	500
10	1.5	7	1.53	0.7	1.0	1.8	20.0	12.1	2,500	450	500
	2.5	7	1.98	0.7	1.0	1.8	21.5	7.41	2,100	580	500
	4	7	2.49	0.7	1.0	1.8	24.0	4.61	1,800	770	500
	6	7	3.09	0.7	1.0	1.8	26.0	3.08	1,500	1,010	500
	10	7	3.99	0.7	1.0	1.8	30.0	1.83	1,200	1,490	500
11	1.5	7	1.53	0.7	1.0	1.8	20.5	12.1	2,500	490	500
	2.5	7	1.98	0.7	1.0	1.8	22.5	7.41	2,100	640	500
	4	7	2.49	0.7	1.0	1.8	24.5	4.61	1,800	850	500
	6	7	3.09	0.7	1.0	1.8	27.0	3.08	1,500	1,110	500
	10	7	3.99	0.7	1.0	1.8	31.0	1.83	1,200	1,640	500
12	1.5	7	1.53	0.7	1.0	1.8	20.5	12.1	2,500	490	500
	2.5	7	1.98	0.7	1.0	1.8	22.5	7.41	2,100	650	500
	4	7	2.49	0.7	1.0	1.8	24.5	4.61	1,800	870	500
	6	7	3.09	0.7	1.0	1.8	27.0	3.08	1,500	1,160	500
	10	7	3.99	0.7	1.0	1.8	31.0	1.83	1,200	1,720	500
13	1.5	7	1.53	0.7	1.0	1.8	21.5	12.1	2,500	540	500
	2.5	7	1.98	0.7	1.0	1.8	23.0	7.41	2,100	710	500
	4	7	2.49	0.7	1.0	1.8	25.5	4.61	1,800	950	500
	6	7	3.09	0.7	1.0	1.8	28.0	3.08	1,500	1,260	500
	10	7	3.99	0.7	1.0	1.8	32.5	1.83	1,200	1,880	500
14	1.5	7	1.53	0.7	1.0	1.8	21.5	12.1	2,500	550	500
	2.5	7	1.98	0.7	1.0	1.8	23.0	7.41	2,100	730	500
	4	7	2.49	0.7	1.0	1.8	25.5	4.61	1,800	980	500
	6	7	3.09	0.7	1.0	1.8	28.0	3.08	1,500	1,310	500
	10	7	3.99	0.7	1.0	1.8	32.5	1.83	1,200	1,950	500
15	1.5	7	1.53	0.7	1.0	1.8	22.0	12.1	2,500	600	500
	2.5	7	1.98	0.7	1.0	1.8	24.5	7.41	2,100	790	500
	4	7	2.49	0.7	1.0	1.8	27.0	4.61	1,800	1,070	500
	6	7	3.09	0.7	1.0	1.8	29.5	3.08	1,500	1,430	500
	10	7	3.99	0.7	1.0	1.9	34.0	1.83	1,200	2,150	500

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No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°C MΩ.km (Min.)	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)								
16	1.5	7	1.53	0.7	1.0	1.8	22.0	12.1	2,500	600	500
	2.5	7	1.98	0.7	1.0	1.8	24.5	7.41	2,100	810	500
	4	7	2.49	0.7	1.0	1.8	27.0	4.61	1,800	1,100	500
	6	7	3.09	0.7	1.0	1.8	29.5	3.08	1,500	1,470	500
	10	7	3.99	0.7	1.0	1.9	34.0	1.83	1,200	2,220	500
17	1.5	7	1.53	0.7	1.0	1.8	23.0	12.1	2,500	660	500
	2.5	7	1.98	0.7	1.0	1.8	25.5	7.41	2,100	880	500
	4	7	2.49	0.7	1.0	1.8	28.0	4.61	1,800	1,190	500
	6	7	3.09	0.7	1.0	1.8	31.0	3.08	1,500	1,590	500
	10	7	3.99	0.7	1.0	1.9	36.0	1.83	1,200	2,400	500
18	1.5	7	1.53	0.7	1.0	1.8	23.0	12.1	2,500	660	500
	2.5	7	1.98	0.7	1.0	1.8	25.5	7.41	2,100	890	500
	4	7	2.49	0.7	1.0	1.8	28.0	4.61	1,800	1,220	500
	6	7	3.09	0.7	1.0	1.8	31.0	3.08	1,500	1,640	500
	10	7	3.99	0.7	1.0	1.9	36.0	1.83	1,200	2,480	500
19	1.5	7	1.53	0.7	1.0	1.8	23.0	12.1	2,500	670	500
	2.5	7	1.98	0.7	1.0	1.8	25.5	7.41	2,100	910	500
	4	7	2.49	0.7	1.0	1.8	28.0	4.61	1,800	1,250	500
	6	7	3.09	0.7	1.0	1.8	31.0	3.08	1,500	1,680	500
	10	7	3.99	0.7	1.0	1.9	36.0	1.83	1,200	2,560	500
20	1.5	7	1.53	0.7	1.0	1.8	24.0	12.1	2,500	720	500
	2.5	7	1.98	0.7	1.0	1.8	26.5	7.41	2,100	980	500
	4	7	2.49	0.7	1.0	1.8	29.5	4.61	1,800	1,340	500
	6	7	3.09	0.7	1.0	1.9	32.5	3.08	1,500	1,820	500
	10	7	3.99	0.7	1.2	2.0	38.0	1.83	1,200	2,800	500
21	1.5	7	1.53	0.7	1.0	1.8	24.0	12.1	2,500	730	500
	2.5	7	1.98	0.7	1.0	1.8	26.5	7.41	2,100	990	500
	4	7	2.49	0.7	1.0	1.8	29.5	4.61	1,800	1,360	500
	6	7	3.09	0.7	1.0	1.9	32.5	3.08	1,500	1,850	500
	10	7	3.99	0.7	1.2	2.0	38.0	1.83	1,200	2,860	500
22	1.5	7	1.53	0.7	1.0	1.8	25.0	12.1	2,500	790	500
	2.5	7	1.98	0.7	1.0	1.8	27.5	7.41	2,100	1,060	500
	4	7	2.49	0.7	1.0	1.8	30.5	4.61	1,800	1,470	500
	6	7	3.09	0.7	1.0	1.9	34.0	3.08	1,500	2,000	500
	10	7	3.99	0.7	1.2	2.1	40.0	1.83	1,200	3,090	500
23	1.5	7	1.53	0.7	1.0	1.8	25.0	12.1	2,500	790	500
	2.5	7	1.98	0.7	1.0	1.8	27.5	7.41	2,100	1,060	500
	4	7	2.49	0.7	1.0	1.8	30.5	4.61	1,800	1,470	500
	6	7	3.09	0.7	1.0	1.9	34.0	3.08	1,500	2,000	500
	10	7	3.99	0.7	1.2	2.1	40.0	1.83	1,200	3,090	500
24	1.5	7	1.53	0.7	1.0	1.8	26.5	12.1	2,500	820	500
	2.5	7	1.98	0.7	1.0	1.8	29.0	7.41	2,100	1,110	500
	4	7	2.49	0.7	1.0	1.8	32.0	4.61	1,800	1,540	500
	6	7	3.09	0.7	1.2	2.0	36.5	3.08	1,500	2,150	500
	10	7	3.99	0.7	1.2	2.1	42.5	1.83	1,200	3,270	400
25	1.5	7	1.53	0.7	1.0	1.8	27.0	12.1	2,500	870	500
	2.5	7	1.98	0.7	1.0	1.8	29.5	7.41	2,100	1,180	500
	4	7	2.49	0.7	1.0	1.8	33.0	4.61	1,800	1,630	500
	6	7	3.09	0.7	1.2	2.0	37.5	3.08	1,500	2,270	500
	10	7	3.99	0.7	1.2	2.1	43.5	1.83	1,200	3,450	400

0.6/1 kV XLPE/LSHF-S

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 20°C MΩ.km (Min.)	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)								
26	1.5	7	1.53	0.7	1.0	1.8	27.0	12.1	2,500	870	500
	2.5	7	1.98	0.7	1.0	1.8	29.5	7.41	2,100	1,190	500
	4	7	2.49	0.7	1.0	1.8	33.0	4.61	1,800	1,660	500
	6	7	3.09	0.7	1.2	2.0	37.5	3.08	1,500	2,320	500
	10	7	3.99	0.7	1.2	2.1	43.5	1.83	1,200	3,530	400
27	1.5	7	1.53	0.7	1.0	1.8	27.0	12.1	2,500	880	500
	2.5	7	1.98	0.7	1.0	1.8	29.5	7.41	2,100	1,210	500
	4	7	2.49	0.7	1.0	1.9	33.0	4.61	1,800	1,700	500
	6	7	3.09	0.7	1.2	2.0	37.5	3.08	1,500	2,360	500
	10	7	3.99	0.7	1.2	2.2	43.5	1.83	1,200	3,620	400
28	1.5	7	1.53	0.7	1.0	1.8	27.5	12.1	2,500	940	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,280	500
	4	7	2.49	0.7	1.0	1.9	34.0	4.61	1,800	1,800	500
	6	7	3.09	0.7	1.2	2.0	38.5	3.08	1,500	2,490	500
	10	7	3.99	0.7	1.2	2.2	45.0	1.83	1,200	3,820	400
29	1.5	7	1.53	0.7	1.0	1.8	37.5	12.1	2,500	950	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,300	500
	4	7	2.49	0.7	1.0	1.9	34.0	4.61	1,800	1,830	500
	6	7	3.09	0.7	1.2	2.0	38.5	3.08	1,500	2,540	500
	10	7	3.99	0.7	1.2	2.2	45.0	1.83	1,200	3,890	400
30	1.5	7	1.53	0.7	1.0	1.8	27.5	12.1	2,500	960	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,320	500
	4	7	2.49	0.7	1.0	1.9	34.0	4.61	1,800	1,860	500
	6	7	3.09	0.7	1.2	2.0	38.5	3.08	1,500	2,580	500
	10	7	3.99	0.7	1.2	2.2	45.0	1.83	1,200	3,970	400