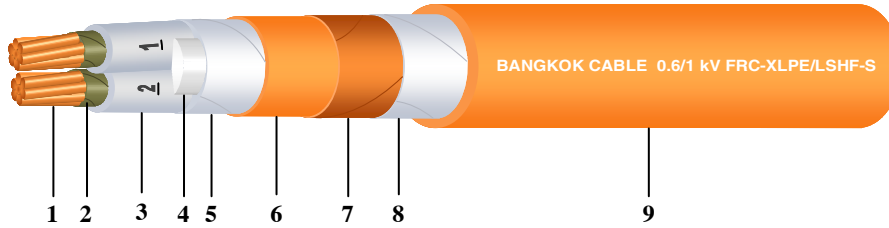


0.6/1 kV FRC-XLPE/LSHF-S

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CONTROL CABLES WITH METALLIC SHIELD



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Circuit integrity	: BS 6387 Categories C, W, Z : IEC 60331-21
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. Fire barrier tape	: Mica tape
3. Insulation	: Cross-linked polyethylene (XLPE), Natural colour with marking number
4. Filler	: LSHF rod and/or Polypropylene
5. Binding tape	: Fiberglass tape
6. Inner sheath	: Low smoke & halogen free compound (LSHF)
7. Metallic shield	: Annealed copper tape
8. Binding tape	: Polyester tape
9. Outer sheath	: Low smoke & halogen free compound (LSHF), Orange 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 and maintain circuit integrity 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	15.5	12.1	2,500	260	500
	2.5	7	1.98	0.7	1.0	1.8	16.5	7.41	2,100	310	500
	4	7	2.49	0.7	1.0	1.8	17.5	4.61	1,800	370	500
	6	7	3.09	0.7	1.0	1.8	19.0	3.08	1,500	440	500
	10	6	3.72	0.7	1.0	1.8	20.5	1.83	1,200	570	500
3	1.5	7	1.53	0.7	1.0	1.8	16.5	12.1	2,500	300	500
	2.5	7	1.98	0.7	1.0	1.8	17.5	7.41	2,100	350	500
	4	7	2.49	0.7	1.0	1.8	18.5	4.61	1,800	430	500
	6	7	3.09	0.7	1.0	1.8	19.5	3.08	1,500	520	500
	10	6	3.72	0.7	1.0	1.8	21.5	1.83	1,200	690	500
4	1.5	7	1.53	0.7	1.0	1.8	17.5	12.1	2,500	340	500
	2.5	7	1.98	0.7	1.0	1.8	18.5	7.41	2,100	410	500
	4	7	2.49	0.7	1.0	1.8	20.0	4.61	1,800	510	500
	6	7	3.09	0.7	1.0	1.8	21.0	3.08	1,500	620	500
	10	6	3.72	0.7	1.0	1.8	23.5	1.83	1,200	850	500
5	1.5	7	1.53	0.7	1.0	1.8	18.5	12.1	2,500	400	500
	2.5	7	1.98	0.7	1.0	1.8	20.0	7.41	2,100	480	500
	4	7	2.49	0.7	1.0	1.8	21.5	4.61	1,800	600	500
	6	7	3.09	0.7	1.0	1.8	23.0	3.08	1,500	740	500
	10	6	3.72	0.7	1.0	1.8	25.5	1.83	1,200	1,020	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.)								
6	1.5	7	1.53	0.7	1.0	1.8	20.0	12.1	2,500	420	500
	2.5	7	1.98	0.7	1.0	1.8	21.0	7.41	2,100	510	500
	4	7	2.49	0.7	1.0	1.8	23.0	4.61	1,800	640	500
	6	7	3.09	0.7	1.0	1.8	24.5	3.08	1,500	800	500
	10	6	3.72	0.7	1.0	1.8	27.5	1.83	1,200	1,120	500
7	1.5	7	1.53	0.7	1.0	1.8	20.0	12.1	2,500	440	500
	2.5	7	1.98	0.7	1.0	1.8	21.0	7.41	2,100	540	500
	4	7	2.49	0.7	1.0	1.8	23.0	4.61	1,800	680	500
	6	7	3.09	0.7	1.0	1.8	24.5	3.08	1,500	860	500
	10	6	3.72	0.7	1.0	1.8	27.5	1.83	1,200	1,200	500
8	1.5	7	1.53	0.7	1.0	1.8	21.0	12.1	2,500	490	500
	2.5	7	1.98	0.7	1.0	1.8	22.5	7.41	2,100	600	500
	4	7	2.49	0.7	1.0	1.8	24.5	4.61	1,800	760	500
	6	7	3.09	0.7	1.0	1.8	26.5	3.08	1,500	970	500
	10	6	3.72	0.7	1.0	1.8	29.5	1.83	1,200	1,360	500
9	1.5	7	1.53	0.7	1.0	1.8	22.5	12.1	2,500	540	500
	2.5	7	1.98	0.7	1.0	1.8	24.0	7.41	2,100	670	500
	4	7	2.49	0.7	1.0	1.8	26.0	4.61	1,800	850	500
	6	7	3.09	0.7	1.0	1.8	28.0	3.08	1,500	1,080	500
	10	6	3.72	0.7	1.0	1.8	31.5	1.83	1,200	1,520	500
10	1.5	7	1.53	0.7	1.0	1.8	24.0	12.1	2,500	580	500
	2.5	7	1.98	0.7	1.0	1.8	26.0	7.41	2,100	730	500
	4	7	2.49	0.7	1.0	1.8	28.0	4.61	1,800	930	500
	6	7	3.09	0.7	1.0	1.8	30.5	3.08	1,500	1,180	500
	10	6	3.72	0.7	1.0	1.8	34.0	1.83	1,200	1,670	500
11	1.5	7	1.53	0.7	1.0	1.8	25.0	12.1	2,500	630	500
	2.5	7	1.98	0.7	1.0	1.8	26.5	7.41	2,100	790	500
	4	7	2.49	0.7	1.0	1.8	29.0	4.61	1,800	1,010	500
	6	7	3.09	0.7	1.0	1.8	31.5	3.08	1,500	1,290	500
	10	6	3.72	0.7	1.0	1.8	35.0	1.83	1,200	1,830	500
12	1.5	7	1.53	0.7	1.0	1.8	25.0	12.1	2,500	650	500
	2.5	7	1.98	0.7	1.0	1.8	26.5	7.41	2,100	810	500
	4	7	2.49	0.7	1.0	1.8	29.0	4.61	1,800	1,050	500
	6	7	3.09	0.7	1.0	1.8	31.5	3.08	1,500	1,350	500
	10	6	3.72	0.7	1.0	1.8	35.0	1.83	1,200	1,920	500
13	1.5	7	1.53	0.7	1.0	1.8	26.0	12.1	2,500	700	500
	2.5	7	1.98	0.7	1.0	1.8	28.0	7.41	2,100	880	500
	4	7	2.49	0.7	1.0	1.8	30.0	4.61	1,800	1,140	500
	6	7	3.09	0.7	1.0	1.8	33.0	3.08	1,500	1,470	500
	10	6	3.72	0.7	1.0	1.8	37.0	1.83	1,200	2,100	500
14	1.5	7	1.53	0.7	1.0	1.8	26.0	12.1	2,500	720	500
	2.5	7	1.98	0.7	1.0	1.8	28.0	7.41	2,100	910	500
	4	7	2.49	0.7	1.0	1.8	30.0	4.61	1,800	1,180	500
	6	7	3.09	0.7	1.0	1.8	33.0	3.08	1,500	1,520	500
	10	6	3.72	0.7	1.0	1.8	37.0	1.83	1,200	2,190	500
15	1.5	7	1.53	0.7	1.0	1.8	27.0	12.1	2,500	780	500
	2.5	7	1.98	0.7	1.0	1.8	29.0	7.41	2,100	990	500
	4	7	2.49	0.7	1.0	1.8	31.5	4.61	1,800	1,280	500
	6	7	3.09	0.7	1.0	1.8	34.5	3.08	1,500	1,650	500
	10	6	3.72	0.7	1.0	1.9	39.0	1.83	1,200	2,400	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	27.0	12.1	2,500	780	500
	2.5	7	1.98	0.7	1.0	1.8	29.0	7.41	2,100	1,010	500
	4	7	2.49	0.7	1.0	1.8	31.5	4.61	1,800	1,320	500
	6	7	3.09	0.7	1.0	1.8	34.5	3.08	1,500	1,710	500
	10	6	3.72	0.7	1.0	1.9	39.0	1.83	1,200	2,490	500
17	1.5	7	1.53	0.7	1.0	1.8	28.5	12.1	2,500	850	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,090	500
	4	7	2.49	0.7	1.0	1.8	33.0	4.61	1,800	1,431	500
	6	7	3.09	0.7	1.0	1.8	39.0	3.08	1,500	1,850	500
	10	6	3.72	0.7	1.0	1.9	41.0	1.83	1,200	2,680	400
18	1.5	7	1.53	0.7	1.0	1.8	28.5	12.1	2,500	870	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,110	500
	4	7	2.49	0.7	1.0	1.8	33.0	4.61	1,800	1,460	500
	6	7	3.09	0.7	1.0	1.8	39.0	3.08	1,500	1,900	500
	10	6	3.72	0.7	1.0	1.9	41.0	1.83	1,200	2,770	400
19	1.5	7	1.53	0.7	1.0	1.8	28.5	12.1	2,500	890	500
	2.5	7	1.98	0.7	1.0	1.8	30.5	7.41	2,100	1,140	500
	4	7	2.49	0.7	1.0	1.8	33.0	4.61	1,800	1,500	500
	6	7	3.09	0.7	1.0	1.8	39.0	3.08	1,500	1,950	500
	10	6	3.72	0.7	1.0	1.9	41.0	1.83	1,200	2,860	400
20	1.5	7	1.53	0.7	1.0	1.8	29.5	12.1	2,500	950	500
	2.5	7	1.98	0.7	1.0	1.8	32.0	7.41	2,100	1,220	500
	4	7	2.49	0.7	1.0	1.8	35.0	4.61	1,800	1,610	500
	6	7	3.09	0.7	1.0	1.9	38.0	3.08	1,500	2,110	500
	10	6	3.72	0.7	1.2	2.0	43.5	1.83	1,200	3,130	400
21	1.5	7	1.53	0.7	1.0	1.8	29.5	12.1	2,500	960	500
	2.5	7	1.98	0.7	1.0	1.8	32.0	7.41	2,100	1,240	500
	4	7	2.49	0.7	1.0	1.8	35.0	4.61	1,800	1,640	500
	6	7	3.09	0.7	1.0	1.9	38.0	3.08	1,500	2,150	500
	10	6	3.72	0.7	1.2	2.0	43.5	1.83	1,200	3,200	400
22	1.5	7	1.53	0.7	1.0	1.8	31.0	12.1	2,500	1,030	500
	2.5	7	1.98	0.7	1.0	1.8	33.5	7.41	2,100	1,330	500
	4	7	2.49	0.7	1.0	1.8	36.5	4.61	1,800	1,760	500
	6	7	3.09	0.7	1.0	1.9	40.0	3.08	1,500	2,310	500
	10	6	3.72	0.7	1.2	2.1	46.0	1.83	1,200	3,450	400
23	1.5	7	1.53	0.7	1.0	1.8	31.0	12.1	2,500	1,040	500
	2.5	7	1.98	0.7	1.0	1.8	33.5	7.41	2,100	1,340	500
	4	7	2.49	0.7	1.0	1.8	36.5	4.61	1,800	1,780	500
	6	7	3.09	0.7	1.0	1.9	40.0	3.08	1,500	2,340	500
	10	6	3.72	0.7	1.2	2.1	46.0	1.83	1,200	3,500	400
24	1.5	7	1.53	0.7	1.0	1.8	32.5	12.1	2,500	1,090	500
	2.5	7	1.98	0.7	1.0	1.8	35.0	7.41	2,100	1,400	500
	4	7	2.49	0.7	1.0	1.8	38.5	4.61	1,800	1,860	500
	6	7	3.09	0.7	1.2	2.0	43.0	3.08	1,500	2,500	400
	10	6	3.72	0.7	1.2	2.1	48.5	1.83	1,200	3,650	400
25	1.5	7	1.53	0.7	1.0	1.8	33.0	12.1	2,500	1,140	500
	2.5	7	1.98	0.7	1.0	1.8	36.0	7.41	2,100	1,480	500
	4	7	2.49	0.7	1.0	1.8	39.5	4.61	1,800	1,960	500
	6	7	3.09	0.7	1.2	2.0	43.5	3.08	1,500	2,640	400
	10	6	3.72	0.7	1.2	2.1	49.5	1.83	1,200	3,850	400

0.6/1 kV FRC-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	33.0	12.1	2,500	1,160	500
	2.5	7	1.98	0.7	1.0	1.8	36.0	7.41	2,100	1,500	500
	4	7	2.49	0.7	1.0	1.8	39.5	4.61	1,800	2,000	500
	6	7	3.09	0.7	1.2	2.0	43.5	3.08	1,500	2,690	400
	10	6	3.72	0.7	1.2	2.1	49.5	1.83	1,200	3,940	400
27	1.5	7	1.53	0.7	1.0	1.8	33.0	12.1	2,500	1,170	500
	2.5	7	1.98	0.7	1.0	1.8	36.0	7.41	2,100	1,530	500
	4	7	2.49	0.7	1.0	1.9	39.5	4.61	1,800	2,050	500
	6	7	3.09	0.7	1.2	2.0	43.5	3.08	1,500	2,750	400
	10	6	3.72	0.7	1.2	2.2	50.0	1.83	1,200	4,050	400
28	1.5	7	1.53	0.7	1.0	1.8	34.5	12.1	2,500	1,240	500
	2.5	7	1.98	0.7	1.0	1.8	37.0	7.41	2,100	1,610	500
	4	7	2.49	0.7	1.0	1.9	41.0	4.61	1,800	2,160	400
	6	7	3.09	0.7	1.2	2.0	45.0	3.08	1,500	2,890	400
	10	6	3.72	0.7	1.2	2.2	51.5	1.83	1,200	4,260	300
29	1.5	7	1.53	0.7	1.0	1.8	34.5	12.1	2,500	1,260	500
	2.5	7	1.98	0.7	1.0	1.8	37.0	7.41	2,100	1,630	500
	4	7	2.49	0.7	1.0	1.9	41.0	4.61	1,800	2,200	400
	6	7	3.09	0.7	1.2	2.0	45.0	3.08	1,500	2,950	400
	10	6	3.72	0.7	1.2	2.2	51.5	1.83	1,200	4,350	300
30	1.5	7	1.53	0.7	1.0	1.8	34.5	12.1	2,500	1,270	500
	2.5	7	1.98	0.7	1.0	1.8	37.0	7.41	2,100	1,660	500
	4	7	2.49	0.7	1.0	1.9	41.0	4.61	1,800	2,240	400
	6	7	3.09	0.7	1.2	2.0	45.0	3.08	1,500	3,000	400
	10	6	3.72	0.7	1.2	2.2	51.5	1.83	1,200	4,440	300