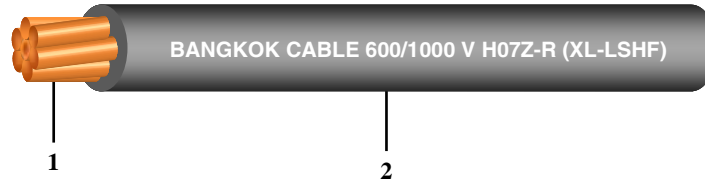


600/1000 V XL-LSHF (1 CORE)

LOW SMOKE & HALOGEN FREE CABLES (NON-SHEATHED)



Standards Achieved :

Construction	: BS EN 50525-3-41
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 low smoke & halogen free compound (XL-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 trunking and conduit which provide flame retardant, low smoke & corrosive gases properties in case of fire.

No. of core	Conductor			Thickness of insulation mm (Nominal)	Overall diameter		Conductor resistance at 20°C Ω/km (Max.)	Insulation resistance at 90°C MΩ.km (Min.)	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.)		Lower limit mm	Upper limit mm					
1	1.5	7	1.53	0.7	2.7	3.4	12.1	0.010	24	20	500
1	2.5	7	1.98	0.8	3.3	4.1	7.41	0.009	33	30	500
1	4	7	2.49	0.8	3.8	4.7	4.61	0.0077	45	50	500
1	6	7	3.09	0.8	4.3	5.4	3.08	0.0065	57	70	500
1	10	6	3.72	1.0	5.6	7.0	1.83	0.0065	79	110	500
1	16	6	4.69	1.0	6.4	8.0	1.15	0.0050	105	170	500
1	25	6	5.90	1.2	8.1	10.1	0.727	0.0050	140	260	500
1	35	6	6.95	1.2	9.0	11.3	0.524	0.0043	175	350	500
1	50	6	8.33	1.4	10.6	13.2	0.387	0.0043	215	480	500
1	70	12	9.73	1.4	12.1	15.1	0.268	0.0035	275	670	500
1	95	15	11.43	1.6	14.1	17.6	0.193	0.0035	340	930	500
1	120	18	12.95	1.6	15.6	19.4	0.153	0.0032	400	1,170	500
1	150	18	14.27	1.8	17.3	21.6	0.124	0.0032	460	1,440	500
1	185	30	15.98	2.0	19.3	24.1	0.0991	0.0032	530	1,800	500
1	240	34	18.47	2.2	22.0	27.5	0.0754	0.0032	640	2,360	500
1	300	34	20.68	2.4	24.5	30.6	0.0601	0.0030	745	2,950	500
1	400	53	23.39	2.6	27.5	34.3	0.0470	0.0028	870	3,770	500