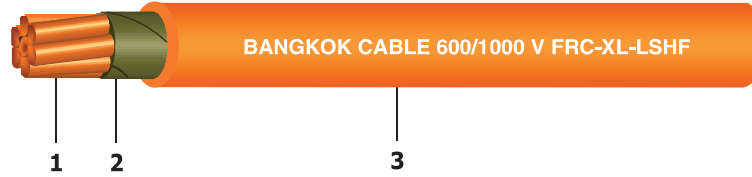


600/1000 V FRC-XL-LSHF (1 CORE)

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES (NON-SHEATHED)



Reference standard

Construction : BS EN 50525-3-41

Standards Achieved :

Circuit integrity : BS 6387 Categories C, W, Z
: IEC 60331-21
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. Fire barrier tape : Mica tape
3. Insulation : Cross-linked low smoke & halogen free compound (XL-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 trunking and conduit 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)	Overall diameter mm (Approx.)	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.)							
1	1.5	7	1.53	0.7	4.0	12.1	0.010	24	25	500
1	2.5	7	1.98	0.8	4.5	7.41	0.009	33	40	500
1	4	7	2.49	0.8	5.0	4.61	0.0077	45	55	500
1	6	7	3.09	0.8	5.5	3.08	0.0065	57	75	300
1	10	6	3.72	1.0	6.5	1.83	0.0065	79	120	300
1	16	6	4.69	1.0	7.5	1.15	0.0050	105	180	300
1	25	6	5.90	1.2	9.5	0.727	0.0050	140	280	300
1	35	6	6.95	1.2	10.5	0.524	0.0043	175	375	300
1	50	6	8.33	1.4	12.5	0.387	0.0043	215	510	300
1	70	12	9.73	1.4	13.5	0.268	0.0035	275	715	300
1	95	15	11.43	1.6	16.0	0.193	0.0035	340	985	300
1	120	18	12.95	1.6	17.5	0.153	0.0032	400	1,230	300
1	150	18	14.27	1.8	19.5	0.124	0.0032	460	1,525	300
1	185	30	15.98	2.0	21.5	0.0991	0.0032	530	1,900	300
1	240	34	18.47	2.2	24.5	0.0754	0.0032	640	2,490	300
1	300	34	20.68	2.4	27.0	0.0601	0.0030	745	3,115	300
1	400	53	23.39	2.6	30.0	0.0470	0.0028	870	3,965	300