

0.6/1 kV FRC-XLPE/LSHF (1 CORE)

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES



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 60332-3-24 Category C
Acid gas emission	: 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 polyethylene (XLPE), Natural colour
4. 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 surface 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 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 ²	No. of wires (Min.)	Diameter mm (Approx.)							
1	1.5	7	1.53	0.7	1.4	7.0	12.1	27	60	500
1	2.5	7	1.98	0.7	1.4	7.5	7.41	38	70	500
1	4	7	2.49	0.7	1.4	8.0	4.61	51	90	500
1	6	7	3.09	0.7	1.4	8.5	3.08	66	110	500
1	10	6	3.72	0.7	1.4	9.5	1.83	92	160	500
1	16	6	4.69	0.7	1.4	10.0	1.15	124	220	500
1	25	6	5.90	0.9	1.4	12.0	0.727	166	320	500
1	35	6	6.95	0.9	1.4	13.0	0.524	206	420	500
1	50	6	8.33	1.0	1.4	14.5	0.387	259	550	500
1	70	12	9.73	1.1	1.4	16.0	0.268	321	760	500
1	95	15	11.43	1.1	1.5	18.0	0.193	391	1,030	500
1	120	18	12.95	1.2	1.5	20.0	0.153	455	1,280	500
1	150	18	14.27	1.4	1.6	22.0	0.124	525	1,580	500
1	185	30	15.98	1.6	1.6	24.0	0.0991	602	1,950	500
1	240	34	18.47	1.7	1.7	27.0	0.0754	711	2,540	500
1	300	34	20.68	1.8	1.8	29.5	0.0601	821	3,160	500
1	400	53	23.39	2.0	1.9	33.0	0.0470	988	4,010	500