

0.6/1 kV FRC-XLPE/LSHF (3 CORES)

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) Brown, Black, Grey colour or requested colour
4. Filler	: LSHF rod
5. Binding tape	: Fiberglass tape
6. 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.)							
3	1.5	7	1.53	0.7	1.8	13.5	12.1	21	190	500
3	2.5	7	1.98	0.7	1.8	14.5	7.41	29	240	500
3	4	7	2.49	0.7	1.8	15.5	4.61	38	300	500
3	6	7	3.09	0.7	1.8	17.0	3.08	49	380	500
3	10	6	3.72	0.7	1.8	18.0	1.83	68	520	500
3	16	6	4.69	0.7	1.8	20.0	1.15	91	740	500
3	25	6	5.90	0.9	1.8	24.0	0.727	116	1,100	500
3	35	6	6.95	0.9	1.8	26.5	0.524	144	1,430	500
3	50	6	8.33	1.0	1.8	30.0	0.387	180	1,880	500
3	70	12	9.73	1.1	1.9	33.5	0.268	224	2,600	500
3	95	15	11.43	1.1	2.0	37.5	0.193	271	3,490	500
3	120	18	12.95	1.2	2.1	41.5	0.153	315	4,350	500
3	150	18	14.27	1.4	2.2	45.5	0.124	363	5,340	400
3	185	30	15.98	1.6	2.4	51.0	0.0991	415	6,660	400
3	240	34	18.47	1.7	2.6	57.0	0.0754	490	8,650	250
3	300	34	20.68	1.8	2.7	62.5	0.0601	565	10,710	200
3	400	53	23.39	2.0	3.0	70.0	0.0470	678	13,620	150