

# 0.6/1 kV FRC/XLPE/LSHF

IEC 60502 (2 CORE)



## Construction :

1. Conductor : Concentric stranded or compact stranded annealed copper wires
2. Fire Barrier tape : Mica tape
3. Insulation : Cross-linked polyethylene (XLPE)  
Identification : Red and Black color
4. Filler : Non-hygroscopic material
5. Binding tape : Non-hygroscopic material
6. Sheath : Low smoke halogen free thermoplastic compound (LSHF) Orange color

## Application :

The cables are specially designed to maintain circuit integrity under stringent fire conditions for the following uses :

- Fire Fighting Pump Circuit
- Fire Alarm System
- Emergency Power Supply
- Exit Lighting Control

Nominal cross-sectional area sq.mm	Conductor		Thickness of Insulation (Nominal) mm	Thickness of Sheath (Nominal) mm	Overall diameter (Approx.) mm	Maximum conductor resistance (at 20°C) Ohm/km	Current rating in air A	Cable weight (Approx.) kg/km	Standard Length m
	Strands	Diameter (Approx.) mm							
1.5	7/0.52	1.56	0.7	1.8	12.0	12.1	25	150	500/D
2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	34	180	500/D
4	7/0.85	2.55	0.7	1.8	14.0	4.61	44	230	500/D
6	7/1.04	3.12	0.7	1.8	15.0	3.08	57	290	500/D
10	6	3.72	0.7	1.8	16.0	1.83	77	390	500/D
16	6	4.69	0.7	1.8	18.0	1.15	100	550	500/D
25	6	5.90	0.9	1.8	21.5	0.727	135	810	500/D
35	6	6.95	0.9	1.8	24.0	0.524	165	1060	500/D
50	6	8.33	1.0	1.8	27.0	0.387	205	1400	500/D
70	12	9.73	1.1	1.8	30.5	0.268	255	1910	500/D
95	15	11.43	1.1	1.9	34.0	0.193	315	2550	500/D
120	18	12.95	1.2	2.0	37.5	0.153	365	3190	500/D
150	18	14.27	1.4	2.1	41.5	0.124	415	3910	500/D
185	30	15.98	1.6	2.3	46.5	0.0991	485	4890	400/D
240	34	18.47	1.7	2.5	52.0	0.0754	580	6350	300/D
300	34	20.68	1.8	2.6	57.5	0.0601	675	7850	250/D
400	53	23.39	2.0	2.9	64.5	0.0470	790	10000	200/D