

450/750 V FRC/LSHF

IEC 60502 (1 CORE)



Construction :

1. Conductor : Concentric stranded or compact stranded annealed copper wires
2. Fire Barrier tape : Mica tape
3. Insulation : 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	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	7	1.29	0.7	3.4	18.1	16	20	500/D
1.5	7	1.56	0.7	3.7	12.1	21	30	500/D
2.5	7	2.01	0.8	4.4	7.41	29	40	500/D
4	7	2.55	0.8	4.9	4.61	39	60	500/D
6	7	3.12	0.8	5.5	3.08	51	80	500/D
10	6	3.72	1.0	6.5	1.83	70	120	500/D
16	6	4.69	1.0	7.5	1.15	96	180	500/D
25	6	5.90	1.2	9.2	0.727	127	290	500/D
35	6	6.95	1.2	10.5	0.524	157	390	500/D
50	6	8.33	1.4	12.5	0.387	191	520	500/D
70	12	9.73	1.4	13.5	0.268	244	730	500/D
95	15	11.43	1.6	16.0	0.193	297	1000	500/D
120	18	12.95	1.6	17.5	0.153	345	1250	500/D
150	18	14.27	1.8	19.5	0.124	397	1550	500/D
185	30	15.98	2.0	21.5	0.0991	543	1940	500/D
240	34	18.47	2.2	24.5	0.0754	535	2530	500/D
300	34	20.68	2.4	27.0	0.0601	617	3170	500/D
400	53	23.39	2.6	30.0	0.0470	741	4030	500/D
500	53	26.67	2.8	34.0	0.0366	854	5160	400/D