



L.S.O.H. FIRE RESISTANT MULTIPAIR CABLES
TYPE: SA7Z1

- Description** : 300/500V Fire Resistant Multipair Cables having low emission of smoke & corrosive gases when affected by fire.
- Construction**
- Conductor : Solid, stranded or flexible copper conductor to BS 6360
 - Insulation : Cross linked compound type EI 2 or GP4 or EI 5 to BS 7655. When necessary a fire performant tape(s) may have applied either the conductor or over the insulation.
 - Pairing : The insulated cores are uniformly twisted to form a pair.
The 2-pair cable shall be assembled as a quad.
 - Lay-up : The pairs are assembled in concentric layers. If necessary, a tape shall be applied over the assembly. A drain wire shall be run along the assembly.
 - Screen : Laminated Aluminum tape bonded to a baking material, helically applied with 25% min. overlap, the metallic side down.
 - Sheath : LTS 3 compound to BS 7655
- Rated Voltage** : 300/500V
- Specification** : BS 7629: Part 2
- Characteristics**: Conductor Resistance: to BS 6360
 : Spark Test on insulation to BS 5099
 : Voltage test on completed cable: 2000V a.c.
 : Resistance under fire conditions:
 - Resistance to fire: Conform to BS 6387: Category C
 - Resistance to fire with water: Conform to BS 6387: Category W
 - Resistance to fire with mechanical shock: Conform to BS 6387 Category Z
 - Flame propagation test on single cable to BS 4066: Part1
 - Smoke emission to BS 7622
 - Min Transmittance: 80% for cables of diameter <=20 mm
 : 60% for cables of diameter <=20 to 40 mm

Technical Data

L.S.O.H. Fire Resistant Multipair Cables

Number of Pairs	Nominal Cross-Sectional Area of Conductor mm ²	Overall Diameter Approx. mm	Net Weight Approx. Kg/Km
1	1.0	8.0	75
1	1.5	8.5	100
1	2.5	10.5	140
2*	1.0	9.0	125
2*	1.5	10.5	165
2*	2.5	13.0	250
5	1.0	16.5	240
5	1.5	20.5	330
5	2.5	23.0	490
10	1.0	20.5	425
10	1.5	26.0	590
10	2.5	29.5	890
20	1.0	26.5	765
20	1.5	34.0	1100
20	2.5	38.5	1650

Note: Two pair cables are assembled as a quad