



## L.S.O.H. FIRE RESISTANT MULTICORE CABLES

TYPE: SA7Z1, ZA7Z1, MZA7Z1, FIRETEK®

**Description** : 300/500V Fire Resistant Cables having low emission of smoke & corrosive gases when affected by fire.

**Construction**

- Conductor : Solid or stranded copper conductor class 1 or 2 to BS 6360
- Insulation : Cross linked compound type EI 2 or GP4 or EI 5 to BS 7655. When necessary a fire performant tape may be applied over the conductor or over the insulation.
- Lay-up : A drain wire shall be run along the lay-up cores
- Screen : Laminated Al tape bonded to a baking material, helically applied with 25% overlap, the metallic side down.
- Sheath : LTS 3 compound to BS 7655 : Section 6.1

**Rated Voltage** : 300/500V

**Specification** : BS 7629 : Part 1

**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 : to BS 6387 - Category C
  - Resistance to fire with water : to BS 6387 - Category W
  - Resistance to fire with mechanical shock : 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  $\leq 20$  mm  
: 60% for cables of diameter  $\leq 20$  to 40 mm

**Technical Data**

### L.S.O.H. Fire Resistant Multicore Cables

Number of Cores	Nominal Cross-Sectional Area of Conductor mm <sup>2</sup>	Approx. Overall Diameter mm	Approx. Net Weight Kg/Km
2	1.0	8.0	75
	1.5	8.5	100
3	2.5	10.5	140
	4.0	12.5	210
	1.0	8.0	90
3	1.5	9.5	120
	2.5	12.0	180
	4.0	13.5	260
4	1.0	9.0	110
	1.5	10.5	150
	2.5	13.0	220
4	4.0	15.0	320
	1.0	11.0	160
	1.5	12.5	220
7	2.5	15.0	330
	1.5	16.0	350
	2.5	20.0	540
19	1.5	19.0	510
	2.5	24.0	780