



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

TYPE: SA7Z2Z1, FIRETEK®

Description : 300/500V Fire Resistant armoured 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 have 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.
- Inner Sheath : Halogen free LTS 3 compound to BS 7655 : Section 6.1
- Armour : Single layer of Galvanized Steel Wires
- 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 : 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 Armoured Multicore Cables

Number of Cores	Nominal Cross-Sectional Area of Conductor mm ²	Approx. Overall Diameter mm	Approx. Net Weight Kg/Km
2	1.0	11.7	300
	1.5	12.7	350
	2.5	14.9	520
3	4.0	16.6	650
	1.0	12.1	330
	1.5	13.3	390
4	2.5	15.5	590
	4.0	17.4	740
	1.0	13.6	360
7	1.5	14.8	530
	2.5	16.4	650
	4.0	18.5	850
12	1.0	15.1	560
	1.5	16.7	660
	2.5	18.7	850
19	1.5	19.8	910
	2.5	22.6	1180
	1.5	23.7	1350
	2.5	27.1	1770