



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

TYPE: SA7Z2Z1

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

Construction

- Conductor : Class 1 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 be applied either over 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.
- Laying 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.
- 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

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

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Number of Pairs	Nominal Cross-Sectional Area of Conductor mm ²	Overall Diameter Approx. mm	Net Weight Approx. Kg/Km
1	1.0	11.7	300
1	1.5	12.7	350
1	2.5	14.9	520
2*	1.0	15.9	550
2*	1.5	17.6	650
2*	2.5	20.0	800
5	1.0	18.8	750
5	1.5	21.0	930
5	2.5	25.0	1350
10	1.0	24.0	1250
10	1.5	27.0	1550
10	2.5	31.4	2050
20	1.0	31.0	1920
20	1.5	36.0	2720
20	2.5	42.0	3620

Note: Two pair cables are assembled as a quad