Multicore - Overall Screen - Armoured

Cu - PE - Al Screen - PE or LSHF - Corrugated Armour - PE or LSHF
BS 5308-IEC

APPLICATION

Cables ranging from 4 to 61 conductors used as signaling and control cables. The sheath offers special protection of the core against rodents.

CABLE DESIGNATION

A: Cu / PE / Al screen / PE / Corrugated Armour / PE

B: Cu / PE / Al screen / LSHF / Corrugated Armour / LSHF

CONSTRUCTION CHARACTERISTICS

Conductor

Annealed copper, nominal diameter 1.4 mm.

Insulation

Solid polyethylene.

Arrangement (formation)

Multicore, stranded.

Core assembly

Concentric layers.

Core wrapping

Dielectric tape, helically applied with an overlap.

Shield (screen)

Aluminium tape with copolymer on both sides, applied longitudinally with an overlap.

Inner sheath (jacket)

Black, low density polyethylene (PE) or LSHF – Low Smoke Halogen Free thermoplastic compound.

Armour

Corrugated Steel tape applied longitudinally with an overlap.

Oversheath (jacket)

Black, low density polyethylene (PE) or LSHF – Low Smoke Halogen Free thermoplastic compound. Fire retardant.

GENERAL AND ELECTRICAL CHARACTERISTICS (20°C)

Maximum resistance of conductor at 20°C dc(Ω/km)	Average: 11.2 ± 0.5 Maximum value: 12.1
Insulation resistance (MΩ x km, 15°C, 500Vcc.)	Minimum value: 35 000
Dielectric strength (Vcc-3 s)	Cond-Cond: 3 000

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DIMENSIONAL CHARACTERISTICS

A: Cu • PE • Al screen • PE • Corrugated Armour • PE

B: Cu • PE • Al screen • LSHF • Corrugated Armour • LSHF

N.º of conductors	Diameter (mm)	(A) Weight (kg/km)	(B) Weight (kg/km)
4	13.4	230	280
7	15.4	310	370
9	17.5	380	440
12	17.5	430	500
19	19.5	580	650
27	22.8	770	860
37	25.8	970	1080
48	29.1	1220	1350
61	30.6	1460	1600