

APPLICATION

Cables for signalling systems, instrumentation and control of electrical mechanisms, halogen free. Maximum rated voltage 500 V (peak value. not for power supply), Indicated for fixed installations, indoor or outdoor, protected or not.

CABLE DESIGNATION

Cu / LSHF / Al screen / LSHF

CONSTRUCTION CHARACTERISTICS

Conductor

Rigid (class 2) copper, sizes 1.5 mm² and 2.5 mm², as per IEC 60228.

Insulation

Low Smoke Halogen Free compound.

Arrangement (formation)

Multicore, stranded.

Core assembly

Concentric layers.

Core wrapping

Dielectric tape, helically applied with an overlap.

Shield (screen)

Aluminium / polyester tape, applied helically with an overlap. A tinned copper drain wire is applied under the tape. Alternatively, a copper tape, helically applied with an overlap may be used.

Oversheath (jacket)

LSHF – Low Smoke Halogen Free thermoplastic compound.



GENERAL AND ELECTRICAL CHARACTERISTICS (20°C)

		1.5 mm ²	2.5 mm ²
Maximum resistance of conductor at 20°C dc(Ω/km)	Class 2	12.1	7.41
Dielectric strength (60s) – 500 V rating	3 kV _{dc} or 2.0 kV _{ac}		

DIMENSIONAL CHARACTERISTICS

Cu • LSHF • Al screen • LSHF – 500V rating

N.º of conductors	1.5 mm ²		2.5 mm ²	
	Diameter (mm)	Weight (kg/km)	Diameter (mm)	Weight (kg/km)
4	9.5	130	11.0	190
7	11.0	210	13.5	300
9	13.5	260	16.0	380
12	14.5	330	17.5	490
19	17.0	490	20.5	750
27	20.5	680	24.5	1030
37	23.0	910	28.0	1380
48	26.5	1160	32.0	1780
61	29.0	1450	35.5	2250