

APPLICATION

Cables ranging from 1 to 200 pairs, used for inside installations.

CABLE DESIGNATION

A: PVC/Al-Screen/PVC Sheath

B: Without metallic screen

CONSTRUCTION CHARACTERISTICS

Conductor

Solid annealed copper, nominal diameter of 0.5 mm.

Insulation

PVC.

Arrangement (formation)

Pairs (the two pair cable has the arrangement (formation) of a star-quad).

Core assembly

Units of 10 or 50 pairs.

Core wrapping

Dielectric tape, helically applied with an overlap.

Metallic screen (Optional)

One aluminium / polyester tape spirally applied. with an overlap, Under the metallic screen a tinned copper wire is longitudinally applied.

Oversheath (jacket)

PVC.



LOW VOLTAGE CABLES

TELECOMMUNICATION CABLES

Indoor Cables
PVC Insulation - Al Screen - PVC Sheath

GENERAL AND ELECTRICAL CHARACTERISTICS (20°C)

Maximum Ohmic resistance at 20°C dc(Ω /km)	95.9
Minimum insulation resistance at 20°C. 500Vdc	500 M Ω x km
Dielectric strength (60s)	Cond-Cond – 1kVdc or 1.5kVac
Mutual capacitance at 0.8kHz (maximum value)	
N.º pairs in the cable ≤ 6	132 nF/Km
N.º pairs in the cable > 6	120 nF/Km
Maximum capacitance unbalance (pair-pair) (pF/500)	400

DIMENSIONAL CHARACTERISTICS

Pairs • PVC insulation • Al screen • PVC sheath

N.º of pairs/triads	$\varnothing$ 0.5 mm	
	Diameter (mm)	Weight (kg/km)
1x2	3.7	20
1x3	4.1	24
2x2	4.1	26
3x2	5.1	36
6x2	6.1	54
10x2	7.2	77
10x3	9.4	110
15x2	8.0	105
20x2	9.3	140
20x3	12.5	210
30x2	11.5	195
40x2	12.3	245
50x2	13.5	300
60x2	14.5	350
100x2	18.3	555
200x2	25.6	1 100