

APPLICATION

Cables ranging from 1 to 112 pairs, used for inside installations.

CABLE DESIGNATION

PVC Insulation - Al Screen - PVC Sheath

CONSTRUCTION CHARACTERISTICS

Conductor

Solid annealed copper, nominal diameter of 0.6 mm or 0.9 mm.

Insulation

PVC.

Arrangement (Formation)

Pairs.

Core assembly

Concentric layers or bundles for cables with 56 pairs (4x14) or 112 pairs (8x14).

Core wrapping

Dielectric tape, helically applied with an overlap.

Metallic screen

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

Oversheath (jacket)

PVC.



GENERAL AND ELECTRICAL CHARACTERISTICS (20°C)

	Ø 0.6 mm	Ø 0.9 mm
Maximum Ohmic resistance at 20°C dc(Ω/km)	133.4	59.3
Minimum insulation resistance at 20°C. 500Vdc	500 MΩ x km	
Dielectric strength (60s)	Cond-Cond – 1.5kVdc	
Mutual capacitance at 0.8kHz (maximum value)		
N. ^o pairs in the cable < 10	160 nF/Km	
N. ^o pairs in the cable ≥ 10	130 nF/Km	
Maximum capacitance unbalance (pair-pair) (pF/500)	400	

DIMENSIONAL CHARACTERISTICS

Pairs • PVC insulation • Al screen • PVC sheath

N. ^o of pairs	Ø 0.6 mm		Ø 0.9 mm	
	Diameter (mm)	Weight (kg/km)	Diameter (mm)	Weight (kg/km)
1	4.2	26	5.2	40
2	5.5	40	7.6	75
3	5.7	50	7.9	90
5	7.0	75	9.2	130
7	7.6	90	10.5	170
10	8.6	115	12.0	225
15	9.6	155	13.5	310
21	11.3	210	15.5	410
30	13.0	280	18.4	580
56	16.6	480	24.5	1 020
112	23.1	910	34.0	