

Messi & Paoloni

Professional line

Digital terrestrial & satellite

DVB-T



Prosat Silver Elite

Class A++



High resistance "tear proof" PVC Jacket to be used mostly inside conduits.

PVC Ø 6,7 ± 0,15 mm

NOTE : for outdoor use we warmly recommend black PE Jacket cables, with the addition of **PPC**® "AquaTight"® connectors.

Triple layer screening tape, (foil), highly effective against high frequency interferences.

AL-POL-AL

100% screening percentage

High pressure physical injection foamed polyethylene **TRIPLE LAYER DIELECTRIC**

FPE Ø 4,8 ± 0,05 mm

Inner conductor : 99,99% pure electrolytic annealed bare copper (annealed=thermal softening process)

CuAg Ø 1,10 mm



Special screen made of a silver plated copper **BRAID (CuAg)**. Exceptional long lasting performance: silver oxide has even better conductivity than silver itself. Resulting is an outstanding operative life, especially nearby the sea. The braiding process is operated by means of **16 spools** braiding machines. Highly effective against low frequency impulsive noises.

SCREENING

PERCENTAGE: 81%

128 wires

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	(at 20° C)	
	MHz 5 dB/100 m	1,2
	MHz 50 dB/100 m	4,0
	MHz 200 dB/100 m	7,3
	MHz 470 dB/100 m	12,0
	MHz 860 dB/100 m	16,3
	MHz 1000 dB/100 m	18,2
	MHz 1750 dB/100 m	24,8
	MHz 2050 dB/100 m	27,2
	MHz 2150 dB/100 m	27,9
	MHz 2400 dB/100 m	29,6
	MHz 3000 dB/100 m	33,5

Structural Return Loss (SRL)

30-470 MHz	dB	>33
470-860 MHz	dB	>35
860-2150 MHz	dB	>30

Screening efficiency :

30-1000 MHz	dB	>105
1000-2000 MHz	dB	>92
2000-3000 MHz	dB	>90

Transfer Impedance (return path) mOhm/m <0,7

Inner conductor resistance Ohm/Km 18

Outer conductor resistance Ohm/Km 12

Tension test of the jacket (Spark test) 4 kV

STANDARD PACKING type & meters AR100
(100m refills for Arianna unwinders)

Other packings : 250 and 500m drums

Compression type "F" PPC Connector : EX6-5,1/8,3 / EX6-5,1/8,3-A

Crimp type "F" connector : MP-CRP 7

Screw type "F" connector : C.TV.FM. 7

With reference to norms: CEI 46-1 (construction parameters) - CEI 100-7 (TV reception installations) - EN 50117-5 (cable networks) - CEI 20-52