

Messi & Paoloni Professional line

Digital terrestrial & satellite

DVB-T



Digisat 122 Expert Class A



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

AL-POL-AL

100% screening percentage

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

PVC Ø 5 ± 0,15 mm

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

Available in PE (INT SAT 81)



Physical injection foamed polyethylene
DIELECTRIC
FPE Ø 3,5 ± 0,05 mm

Inner conductor : 99,99% pure electrolytic annealed bare copper (annealed=thermal softening process)
Cu Ø 0,80 mm



High resistance screen made of a sturdy Aluminium-Magnesium alloy **BRAID (AIMg)**. The braiding process is operated by means of **16 spools** braiding machines. Highly effective against low frequency impulsive noises.

SCREENING PERCENTAGE: 65%
80 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 1,3
	MHz 50	dB/100 m 5,5
	MHz 200	dB/100 m 10,6
	MHz 470	dB/100 m 17,0
	MHz 860	dB/100 m 23,6
	MHz 1000	dB/100 m 25,6
	MHz 1750	dB/100 m 34,4
	MHz 2050	dB/100 m 37,7
	MHz 2150	dB/100 m 38,2
	MHz 2400	dB/100 m 40,5
	MHz 3000	dB/100 m 45,4

Structural Return Loss (SRL)

30-470	MHz	dB	>33
470-860	MHz	dB	>28
860-2150	MHz	dB	>22

Screening efficiency :

30-1000	MHz	dB	>85
1000-2000	MHz	dB	>82
2000-3000	MHz	dB	>80

Transfer Impedance (return path)	mOhm/m	<2,8
Inner conductor resistance	Ohm/Km	34
Outer conductor resistance	Ohm/Km	40
Tension test of the jacket (Spark test)		4 kV

STANDARD PACKING type & meters (150m refills for Arianna unwinders) **AR150**

Other packings : 250 and 500m drums
 Compression type "F" PPC Connector : CMPMC 37 / CMPMC 37-A
 Crimp type "F" connector : MP-CRP 5
 Screw type "F" connector : C.TV.FM. 5

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