

Messi & Paoloni Professional line

Digital terrestrial & satellite

DVB-T



Digisat 523 Elite

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 6 ± 0,15 mm

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

High pressure physical injection foamed polyethylene

TRIPLE LAYER DIELECTRIC FPE Ø 4,3 ± 0,05 mm

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

Cu Ø 1,02 mm

High resistance screen made of a sturdy Aluminium-Magnesium alloy **BRAID (AIMg)**. The braiding process is operated by means of **24 spools** braiding machines. (50% more crossings if compared to traditional 16 spools machines). Highly effective against low frequency impulsive noises.

SCREENING

PERCENTAGE: 86%

144 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	1,1
	MHz 50	dB/100 m	4,4
	MHz 200	dB/100 m	8,4
	MHz 470	dB/100 m	13,2
	MHz 860	dB/100 m	18,0
	MHz 1000	dB/100 m	19,5
	MHz 1750	dB/100 m	26,5
	MHz 2050	dB/100 m	28,7
	MHz 2150	dB/100 m	29,4
	MHz 2400	dB/100 m	31,2
	MHz 3000	dB/100 m	35,4

Structural Return Loss (SRL)

30-470	MHz	dB	>33
470-860	MHz	dB	>30
860-2150	MHz	dB	>26

Screening efficiency :

30-1000	MHz	dB	>105
1000-2000	MHz	dB	>100
2000-3000	MHz	dB	>95

Transfer Impedance (return path) mOhm/m <0,9

Inner conductor resistance Ohm/Km 21,5

Outer conductor resistance Ohm/Km 23

Tension test of the jacket (Spark test) 4 kV

STANDARD PACKING type & meters AR10

(100m refills for Arianna unwinders)

Other packings : 250 and 500m drums

Compression type "F" PPC Connector : EX6-4,9/8,3 / EX6-4,9/8,3-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