

Messi & Paoloni

Professional line

Digital terrestrial & satellite

DVB-T



CATV +
Underground
& Outdoor
installation

DigiSat IK12 Elite

Class A+



RoHS
COMPLIANT
2002/95/EG

High resistance screen made of a tinned copper BRAID (CuSn). The braiding process is operated by means of 16 spools braiding machines. Highly effective against low frequency impulsive noises.

SCREENING PERCENTAGE: 65%
128 wires

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

AL-POL-AL
100% screening percentage

Trampling-resistant, UV shielded PE Jacket to be used in particular for underground and outdoor installations.

PE Ø 10,1 ± 0,15 mm
NOTE : for outdoor use we warmly recommend PPC® "AquaTight®" connectors.

In order to prevent braid oxidation, we apply a thin Petrol Jelly layer, adding an extra waterproofing protection.

Inner conductor : 99,99% pure electrolytic annealed bare copper (annealed=thermal softening process)
Cu Ø 1,63 mm

High pressure physical injection foamed polyethylene
TRIPLE LAYER DIELECTRIC
FPE Ø 7,25 ± 0,05 mm

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	(at 20° C)	
	MHz 5	dB/100 m 0,9
	MHz 50	dB/100 m 2,8
	MHz 200	dB/100 m 5,6
	MHz 470	dB/100 m 8,6
	MHz 860	dB/100 m 12,2
	MHz 1000	dB/100 m 13,1
	MHz 1750	dB/100 m 18,5
	MHz 2050	dB/100 m 19,0
	MHz 2150	dB/100 m 19,7
	MHz 2400	dB/100 m 21,9
	MHz 3000	dB/100 m 23,5

Structural Return Loss (SRL)

30-470 MHz	dB	>38
470-860 MHz	dB	>28
860-2150 MHz	dB	>23

Screening efficiency :

30-1000 MHz	dB	>100
1000-2000 MHz	dB	>95
2000-3000 MHz	dB	>85

Transfer Impedance (return path)	mOhm/m	<0,8
Inner conductor resistance	Ohm/Km	8,5
Outer conductor resistance	Ohm/Km	12
Tension test of the jacket (Spark test)		8 kV

STANDARD PACKING type & meters (500m drums) **B 500**

Other packings : 200 and 1000m drums
Compression type "F" PPC Connector : EX11 / BOO4-FM
Screw type "F" connector : C.TV.FM. 10