

Messi & Paoloni**Digital terrestrial & satellite
DVB-T**CATV +
Underground
& Outdoor
installation**Int Sat 110 Elite**

Class A++

High resistance screen made of a sturdy copper **BRAID (Cu)**. 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.

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

NOTE : for outdoor use we warmly recommend **PPC®** "AquaTight®" connectors.

PE Ø 6,8 ± 0,15 mm

SCREENING

PERCENTAGE: 80%

168 wires

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

CU-POL

100% screening percentage

High pressure physical injection foamed polyethylene **TRIPLE LAYER DIELECTRIC**
FPE Ø 5 ± 0,05 mm

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

Cu Ø 1,16 mm

In order to prevent copper oxidation, we apply a thin Petrol Jelly layer, adding an extra water proofing protection.

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	(at 20° C)	
	MHz 5 dB/100 m	0,8
	MHz 50 dB/100 m	3,4
	MHz 200 dB/100 m	7,0
	MHz 470 dB/100 m	10,9
	MHz 860 dB/100 m	14,9
	MHz 1000 dB/100 m	16,1
	MHz 1750 dB/100 m	21,9
	MHz 2050 dB/100 m	23,8
	MHz 2150 dB/100 m	25,0
	MHz 2400 dB/100 m	25,9
	MHz 3000 dB/100 m	29,5

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	>105
2000-3000 MHz	dB	>103

Transfer Impedance (return path)	mOhm/m	<0,3
Inner conductor resistance	Ohm/Km	16,5
Outer conductor resistance	Ohm/Km	9
Tension test of the jacket (Spark test)		8 kV

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

Other packings : 250 and 500m drums

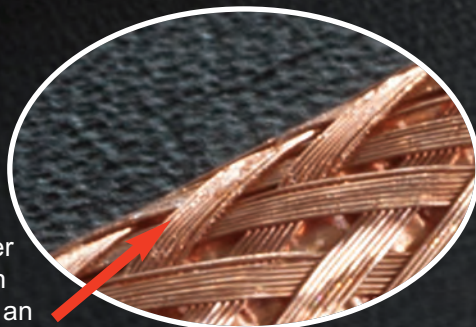
Compression type "F" PPC Connector : EX6-5,1/8,3 / EX6-5,1/8,3-A

Crimp type "F" connector :

MP-CRP 7

Screw type "F" connector :

C.TV.FM. 7

RoHS
COMPLIANT
2002/95/EG

Messi & Paoloni

Professional line

Digital terrestrial & satellite

DVB-T



CATV +
Underground
& Outdoor
installation

DigiSat IK12 Elite

Class A+

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

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.

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

AL-POL-AL

100% screening percentage



RoHS
COMPLIANT
2002/95/EC

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

High pressure physical injection foamed polyethylene

TRIPLE LAYER

DIELECTRIC

FPE Ø 7,25 ± 0,05 mm

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

Cu Ø 1,63 mm

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