

Messi & Paoloni

Professional line

Digital terrestrial & satellite DVB-T

CATV +
Underground
& Outdoor
installation

Int Sat 170 Elite

Class A++



RoHS
COMPLIANT
2002/95/EEC

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 10,1 ± 0,15 mm

SCREENING

PERCENTAGE: 66%

144 wires

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

CU-POL

100% screening percentage

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	at 20° C	
	MHz 5	dB/100 m 0,7
	MHz 50	dB/100 m 2,6
	MHz 200	dB/100 m 5,4
	MHz 470	dB/100 m 8,5
	MHz 860	dB/100 m 11,7
	MHz 1000	dB/100 m 12,6
	MHz 1750	dB/100 m 17,0
	MHz 2050	dB/100 m 18,4
	MHz 2150	dB/100 m 19,0
	MHz 2400	dB/100 m 20,2
	MHz 3000	dB/100 m 22,8

Structural Return Loss (SRL)

30-470 MHz	dB	>35
470-860 MHz	dB	>30
860-2150 MHz	dB	>29

Screening efficiency :

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

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

Inner conductor resistance Ohm/Km 8,5

Outer conductor resistance Ohm/Km 9

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 / BO04-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 copper oxidation, we apply a thin Petrol Jelly layer, adding an extra water proofing protection.

