Messi & Paoloni

Professional line

Digital terrestrial & satellite

DVB-T

CATV + Underground & Outdoor installation

Int Sat 220 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.

SCREENING PERCENTAGE: 56%

144 wires

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

PE Ø 12,7 ± 0,15 mm

RoHS COMPLIANT 2002/95/EG

Double layer screening tape (foil), highly effective against high frequency interferences. **CU-POL** 100% screening percentage

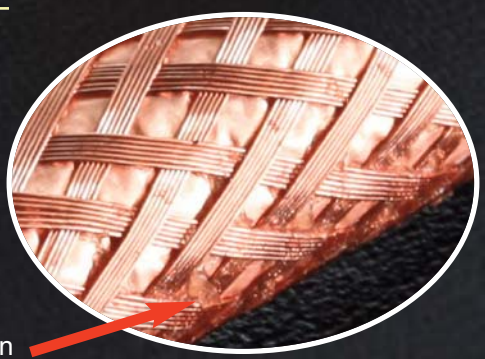
High pressure physical injection foamed polyethylene

TRIPLE LAYER DIELECTRIC

FPE Ø 9,9 ± 0,05 mm

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

Cu Ø 2,2 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	0,4
MHz 50	dB/100 m	1,8
MHz 200	dB/100 m	4,1
MHz 470	dB/100 m	6,7
MHz 860	dB/100 m	9,4
MHz 1000	dB/100 m	10,4
MHz 1750	dB/100 m	14,9
MHz 2050	dB/100 m	16,5
MHz 2150	dB/100 m	16,7
MHz 2400	dB/100 m	17,8
MHz 3000	dB/100 m	21,6
Structural Return Loss	**(SRL)**	
30-470 MHz	dB	>32
470-860 MHz	dB	>30
860-2150 MHz	dB	>28
Screening efficiency :		
30-1000 MHz	dB	>100
1000-2000 MHz	dB	>95
2000-3000 MHz	dB	>85
Transfer Impedance (return path)	mOhm/m	<0,9
Inner conductor resistance	Ohm/Km	4,5
Outer conductor resistance	Ohm/Km	8,5
Tension test of the jacket (spark test)		8 kV
STANDARD PACKING type & metres (500m drums)		B 500
Other packings :		1000m drums