Messi & Paoloni

Professional line

Digital terrestrial & satellite DVB-T

Digisat 822 Expert

Class A+

High resistance "tear proof" PVC Jacket to be used mostly inside conduits.

PVC Ø 6,8 ± 0,15 mm

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

Pb RoHS COMPLIANT 2002/95/EG

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

AL-POL-AL

100% screening percentage

Physical injection foamed polyethylene **DIELECTRIC**

FPE Ø 4,8 ± 0,05 mm

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

Cu Ø 1,13 mm

High resistance screen made by means of a sturdy Aluminium-Magnesium alloy **BRAID**. (**AlMg**). The braiding process is operated by means of **16 spools** braiding machines. Highly effective against low frequency impulsive noises.

SCREENING PERCENTAGE: 76%

128 wires

With reference to norms: CEI 46-1 (construction parameters) - CEI 100-7 (TV reception installations) - EN 50117-5 (cable networks) - CEI 20-52

ELECTRICAL DATA

Nominal Impedance	**Ohm±3**	75
Capacitance	**pF/m±2**	52
Velocity Ratio	**%**	85
Attenuation	**at 20° C)**	
MHz 5	dB/100 m	1,0
MHz 50	dB/100 m	4,1
MHz 200	dB/100 m	7,8
MHz 470	dB/100 m	12,4
MHz 860	dB/100 m	17,0
MHz 1000	dB/100 m	18,6
MHz 1750	dB/100 m	25,3
MHz 2050	dB/100 m	27,5
MHz 2150	dB/100 m	28,2
MHz 2400	dB/100 m	29,8
MHz 3000	dB/100 m	34,0
Structural Return Loss (SRL)		
30-470	MHz dB	>33
470-860	MHz dB	>28
860-2150	MHz dB	>22
Screening efficiency :		
30-1000	MHz dB	>92
1000-2000	MHz dB	>88
2000-3000	MHz dB	>80
Transfer Impedance (return path)	mOhm/m	<2
Inner conductor resistance	Ohm/Km	17,5
Outer conductor resistance	Ohm/Km	30
Tension test of the jacket (Spark test)		4 kV
STANDARD PACKING type & meters (100m refills for Arianna unwinders)		AR100
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