

Messi & Paoloni

Professional line

Digital terrestrial & satellite DVB-T



Digisat 123 Elite Class A++

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

AL-POL-AL

100% screening percentage

High pressure physical injection foamed polyethylene

TRIPLE LAYER

DIELECTRIC

FPE Ø 3,5 ± 0,05 mm

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

Cu Ø 0,81 mm



High resistance screen made of a sturdy Aluminium-Magnesium alloy **BRAID** (AlMg). 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: 80%

96 wires

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

PVC Ø 5 ± 0,15 mm

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



LSZH
Available

5 color

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	at 20° C)	
	MHz 5	dB/100 m 1,3
	MHz 50	dB/100 m 5,5
	MHz 200	dB/100 m 10,5
	MHz 470	dB/100 m 16,4
	MHz 860	dB/100 m 22,5
	MHz 1000	dB/100 m 24,3
	MHz 1750	dB/100 m 32,7
	MHz 2050	dB/100 m 35,5
	MHz 2150	dB/100 m 36,9
	MHz 2400	dB/100 m 38,5
	MHz 3000	dB/100 m 43,5

Structural Return Loss (SRL)

30-470	MHz	dB	>36
470-860	MHz	dB	>32
860-2150	MHz	dB	>26

Screening efficiency :

30-1000	MHz	dB	>105
1000-2000	MHz	dB	>100
2000-3000	MHz	dB	>90

Transfer Impedance (return path) mOhm/m <1

Inner conductor resistance Ohm/Km 34

Outer conductor resistance Ohm/Km 33

Tension test of the jacket (Spark test) 4 kV

STANDARD PACKING type & meters (150m refills for Arianna unwinders) AR150

Other packings : 250 and 500m drums

Compression type "F" PPC Connector : CMPMC 37 / CMPMC 37-A

Crimp type "F" connector : MP-CRP 5

Screw type "F" connector : C.TV.FM. 5

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

Messi & Paoloni

Professional line

Digital terrestrial & satellite

DVB-T



Digisat 823 Elite

Class A++



RoHS
COMPLIANT
2002/95/EG

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.

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

AL-POL-AL

100% screening percentage

High pressure physical injection foamed polyethylene

TRIPLE LAYER DIELECTRIC

FPE Ø 4,8 ± 0,05 mm

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

Cu Ø 1,13 mm

High resistance screen made of a sturdy Aluminium-Magnesium alloy **BRAID (AlMg)**. 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: 82%

144 wires

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
MHz 50	dB/100 m	4
MHz 200	dB/100 m	7,6
MHz 470	dB/100 m	11,8
MHz 860	dB/100 m	16,2
MHz 1000	dB/100 m	17,6
MHz 1750	dB/100 m	23,8
MHz 2050	dB/100 m	25,8
MHz 2150	dB/100 m	26,5
MHz 2400	dB/100 m	28,1
MHz 3000	dB/100 m	31,8

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	>100
2000-3000 MHz	dB	>90

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

Inner conductor resistance Ohm/Km 17,5

Outer conductor resistance Ohm/Km 23

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

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