

Messi & Paoloni - dal 1946

# INTSAT 81

*Class A+*

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

## AL-POL-AL

100% screening percentage

Physical injection foamed polyethylene

## DIELECTRIC

**FPE Ø 3,5 ± 0,05 mm**

High resistance PE Jacket to be used mostly for direct burial and outdoor use.

**PE Ø 5,4 ± 0,15 mm**

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

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



RoHS  
COMPLIANT  
2002/95/EG



## ELECTRICAL DATA

<b>Nominal Impedance</b>	<b>Ohm±3</b>	75
<b>Capacitance</b>	<b>pF/m±2</b>	52
<b>Velocity Ratio</b>	<b>%</b>	85
<b>Attenuation</b>	<b>at 20° C)</b>	
	MHz 5	dB/100 m 1,3
	MHz 50	dB/100 m 5,5
	MHz 200	dB/100 m 10,6
	MHz 470	dB/100 m 17,0
	MHz 860	dB/100 m 23,6
	MHz 1000	dB/100 m 25,6
	MHz 1750	dB/100 m 34,4
	MHz 2050	dB/100 m 37,7
	MHz 2150	dB/100 m 38,2
	MHz 2400	dB/100 m 40,5
	MHz 3000	dB/100 m 45,4

## 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	>85
1000-2000	MHz	dB	>82
2000-3000	MHz	dB	>80

**Transfer Impedance** (return path) mOhm/m <2,8

**Inner conductor resistance** Ohm/Km 34

**Outer conductor resistance** Ohm/Km 40

**Tension test of the jacket** (Spark test) 4 kV

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

**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

**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 (AIMg)**. The braiding process is operated by means of **16 spools** braiding machines. Highly effective against low frequency impulsive noises.

## SCREENING

**PERCENTAGE: 65%**

**80 wires**

