

Messi & Paoloni - dal 1946

## SAT 423/N

Class A

PVC jacket to be used mostly inside conduits.

**PVC Ø 6,5 ± 0,15 mm**

**NOTE** : for outdoor use we warmly recommend **black PE Jacket cables**, (**SAT 423 PE**) with the addition of **PPC®** "AquaTight®" connectors.

Triple layer screening tape, (foil), highly effective against high frequency interferences. screening percentage 100%

**AL-POL-AL**

Physical injection foamed polyethylene **DIELECTRIC PEG Ø 4,6 ± 0,05 mm**



### ELECTRICAL DATA

Nominal Impedance : 75 Ohm±3

Capacitance : 52 pF/m±2

Velocity ratio : 85 %

### ATTENUATION (at 20°C)

MHz 5	dB/100m 1,2
MHz 50	dB/100m 4,5
MHz 200	dB/100m 8,5
MHz 470	dB/100m 13,3
MHz 800	dB/100m 17,8
MHz 860	dB/100m 18,5
MHz 1000	dB/100m 20,0
MHz 1750	dB/100m 27,2
MHz 2050	dB/100m 29,7
MHz 2150	dB/100m 30,5
MHz 2400	dB/100m 32,4
MHz 3000	dB/100m 36,8

### STRUCTURAL RETURN LOSS (SRL)

MHz 30-470	>30 dB
MHz 470-860	>27 dB
MHz 860-2150	>22 dB

### SCREENING EFFICIENCY :

MHz 30-1000	>85 dB
MHz 1000-2000	>82 dB
MHz 2000-3000	>80 dB

Transfer Impedance (return path) : <3 mOhm/m

Inner conductor resistance : 22 Ohm/Km

Outer conductor resistance : 38 Ohm/Km

Tension test of the jacket (spark test) : 4 kV

STANDARD PACKING type & metres : AR100

(100m refills for Arianna unwinders)

Other packings : 250 and 500m drums

Compression type "F" PPC connector : EX6-4,9/8,3 / EX6-4,9/8,3-A

Crimp type "F" connector : MP-CRP 7

Screw type "F" connector : C.TV.FM.7

Screen made of a sturdy Aluminium-Magnesium alloy **BRAID (AlMg)**. The braiding process is operated by means of **16 spools** braiding machines. The braid plays an important role against low frequency impulsive noises.

### SCREENING

**PERCENTAGE: 50%**

**64 wires**

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

**Cu Ø 1,02 mm**

