



# ST 53/A

## SATELLITE RECEPTION



PVC jacket to be used mostly inside conduits.

**PVC Ø 5 ± 0,15 mm**

NOTE : for outdoor use we warmly recommend 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 FPE Ø 3,5 ± 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 2,8
MHz 50	dB/100m 5,2
MHz 200	dB/100m 11,0
MHz 470	dB/100m 17,3
MHz 800	dB/100m 23,0
MHz 860	dB/100m 24,0
MHz 1000	dB/100m 25,7
MHz 1750	dB/100m 35,0
MHz 2050	dB/100m 37,8
MHz 2150	dB/100m 39,0
MHz 2400	dB/100m 41,0
MHz 3000	dB/100m 46,5

### STRUCTURAL RETURN LOSS (SRL)

MHz 30-470	>30 dB
MHz 470-860	>26 dB
MHz 860-2150	>20 dB

### SCREENING EFFICIENCY :

MHz 30-1000	>80 dB
MHz 1000-2000	>78 dB
MHz 2000-3000	>80 dB
Transfer Impedance (return path) :	<3 mOhm/m
Inner conductor resistance :	140 Ohm/Km
Outer conductor resistance :	55 Ohm/Km

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

STANDARD PACKING type & metres : SC100

(cardboard boxes from 100m)

Compression type "F" PPC connector : CMPMC37 / CMPMC37-A

Crimp type "F" connector : MP-CRP 5

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



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: 45%**

**48 wires**

Inner conductor in annealed copper clad steel (CCS). (annealed = thermal softening process.)

**CCS Ø 0,80 mm**