



# MICROSAT 3,6

SATELLITE RECEPTION - VIDEO SURVEILLANCE TVCC



RoHS COMPLIANT 2002/95/EEG

PVC jacket to be used mostly inside conduits.

**PVC Ø 3,6 ± 0,15 mm**

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

**AL-POL**

Physical injection foamed polyethylene **DIELECTRIC FPE Ø 1,9 ± 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 3,5
MHz 50	dB/100m 9,8
MHz 200	dB/100m 19,7
MHz 470	dB/100m 31,0
MHz 800	dB/100m 41,3
MHz 860	dB/100m 42,9
MHz 1000	dB/100m 46,6
MHz 1750	dB/100m 64,5
MHz 2050	dB/100m 69,7
MHz 2150	dB/100m 71,3
MHz 2400	dB/100m 75,4
MHz 3000	dB/100m 84,3

## STRUCTURAL RETURN LOSS (SRL)

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

## SCREENING EFFICIENCY :

MHz 30-1000	>75 dB
MHz 1000-2000	>95 dB
MHz 2000-3000	>90 dB
Transfer Impedance (return path) :	<5 mOhm/m
Inner conductor resistance :	556 Ohm/Km
Outer conductor resistance :	80 Ohm/Km

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

STANDARD PACKING type & metres : AR250

(250m refills for Arianna unwinders)

Other packings : 250 and 500m drums

Screw type "F" connector : C.TV.FM.3

BNC connector : C.BNC36.MC

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: 68%**

**48 wires**

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

**CCS Ø 0,41 mm**