



# 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**