



MDN 650

SATELLITE RECEPTION

PVC jacket to be used mostly inside conduits.

PVC Ø 6,6 ± 0,15 mm

NOTE : for outdoor use we warmly recommend PPC® "AquaTight®" connectors.

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

AL-POL

Physical injection foamed polyethylene **DIELECTRIC**
FPE 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 3,4
MHz 50	dB/100m 5,9
MHz 200	dB/100m 8,5
MHz 470	dB/100m 13,0
MHz 800	dB/100m 17,6
MHz 860	dB/100m 18,5
MHz 1000	dB/100m 20,0
MHz 1750	dB/100m 27,0
MHz 2050	dB/100m 29,7
MHz 2150	dB/100m 30,5
MHz 2400	dB/100m 32,5
MHz 3000	dB/100m 37,0

STRUCTURAL RETURN LOSS (SRL)

MHz 30-470	>32 dB
MHz 470-860	>29 dB
MHz 860-2150	>25 dB

SCREENING EFFICIENCY :

MHz 30-1000	>78 dB
MHz 1000-2000	>70 dB
MHz 2000-3000	>65 dB
Transfer Impedance (return path) :	<10 mOhm/m
Inner conductor resistance :	110 Ohm/Km
Outer conductor resistance :	55 Ohm/Km

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

STANDARD PACKING type & metres : AR100

(100m refills for Arianna unwinders)

Compression type "F" PPC connector : EX6-5,1/8,3
EX6-5,1/8,3-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: 40%

48 wires

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

CCS Ø 1,02 mm