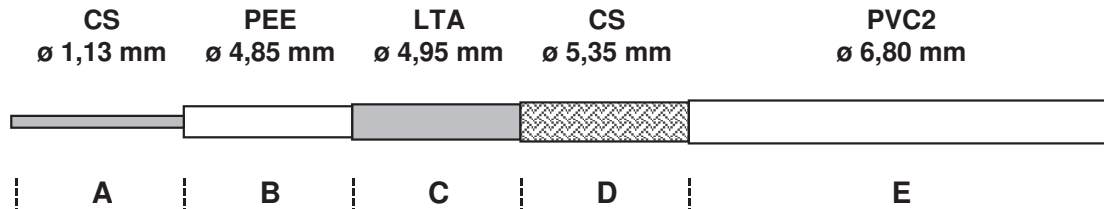


# PREV 3748B

TERRESTRIAL AND DIGITAL SATELLITE RECEPTION  
RECOMMENDED APPLICATION : MEDIUM AND BIG INSTALLATIONS

CATEGORY

**A**  
EN 50117



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	ø 1,13 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE	ø 4,85 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE - COVERAGE	h. 18 mm 100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER - COVERAGE	160 x 0,10 mm 77%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE WHITE - RAL 9003	ø 6,80 ± 0,10 mm
	- COLOUR		
	- PRINTING		

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
<b>TAMPERATURE RANGE</b>	-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	21,0
- PLASTIC	29,1
- TOTAL	51,8

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- INNER CONDUCTOR	17,2 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- BRAID	14,5 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	3,0 kV
		- SPARK TESTING	

### ATTENUATIONS dB/100 m.

5 MHz	1,3	470 MHz	12,9	1500 MHz	25,0
10 MHz	1,8	600 MHz	15,0	1750 MHz	26,9
50 MHz	4,1	800 MHz	17,3	2150 MHz	30,3
100 MHz	5,9	862 MHz	18,0	2400 MHz	32,4
200 MHz	8,1	1000 MHz	19,7	2750 MHz	35,1
300 MHz	10,2	1350 MHz	23,2	3000 MHz	37,2

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>33
470 ÷ 862	MHz	>31
862 ÷ 2400	MHz	>28
2400 ÷ 3000	MHz	>22

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>85	dB
	1000 ÷ 2000	MHz	>75	dB
	2000 ÷ 3000	MHz	>65	dB

The producer reserves himself to make modification on the item without any notice.