



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 58 PE

50 OHM RF COAXIAL CABLE

Class CPR **F<sub>ca</sub>**

CS PE CS Pet PE  
19 x 0,18 mm ø 2,95 mm ø 3,50 mm h. 16 mm ø 5,00 mm



|| A || B || C || D || E ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	19 x 0,18 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
<b>C</b>	<b>BRAID</b>	TINNED COPPER	80 x 0,13 mm
	- COVERAGE		80%
<b>D</b>	<b>NON-MIGRATING</b>	POLYESTER TAPE	h. 16 mm
<b>E</b>	<b>SHEATH</b>	CARBON BLACK POLYETHYLENE	ø 5,00 ± 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING		

### MINIMUM BENDING RADIUS ( mm )

- **SINGLE** ø EXTERNAL X 5
- **REPEATED** ø EXTERNAL X 10

**TEMPERATURE RANGE** -40 °C / +75 °C

### CABLE WEIGHT ( Kg/Km )

- **COPPER** 14,8
- **PLASTIC** 16,0
- **TOTAL** 30,8

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 3 Ohm

**CAPACITANCE** 100 pF/m

**VELOCITY RATIO** 66%

### RESISTANCE

- **INNER CONDUCT.** 36,5 Ohm/Km
- **BRAID** 21,0 Ohm/Km

### TENSION

- **SHEATH SPARK TESTING** 4,0 kV

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	2,9	849
10	MHz	4,3	600
30	MHz	8,0	346
50	MHz	10,3	268
150	MHz	18,4	155
220	MHz	22,5	128

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	33,4	89
600	MHz	39,4	77
800	MHz	46,4	67
900	MHz	49,5	63
1000	MHz	53,1	60
1500	MHz	67,8	49

		<b>dB</b>	<b>W</b>
1800	MHz	75,5	44
2000	MHz	80,7	43
2500	MHz	97,9	38
3000	MHz	112,5	35
5200	MHz	177,3	26
5800	MHz	193,8	25

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>18
450 ÷ 1000	MHz	>25	3000 ÷ 4000	MHz	>15
1000 ÷ 2000	MHz	>20	4000 ÷ 5800	MHz	>11

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>57
900 ÷ 2000	MHz	
2000 ÷ 3000	MHz	

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