



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RG 59 PK

75 OHM RF COAXIAL CABLE

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

CW      PE      CU      PVC2  
ø 0,58 mm    ø 3,70 mm    ø 4,10 mm    ø 6,15 mm



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

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD	.....	ø 0,58 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	ø 3,70 ± 0,10 mm
<b>C</b>	<b>BRAID</b>	PLAIN COPPER	.....	120 x 0,10 mm
		- COVERAGE	.....	77%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 6,15 ± 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>M17/29-RG59 RG 59 PK 75 Ohm</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### MINIMUM BENDING RADIUS ( mm )

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

TEMPERATURE RANGE      -30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- **COPPER**      11,1
- **PLASTIC**      34,6
- **TOTAL**      45,7

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE**      75 ± 3 Ohm

**CAPACITANCE**      67 pF/m

**VELOCITY RATIO**      66%

### RESISTANCE

- **INNER CONDUCT.**    154 Ohm/Km
- **BRAID**      19,5 Ohm/Km

### TENSION

- **SHEATH**      5,0 kV
- **SPARK TESTING**

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,4	
10	MHz	3,3	
50	MHz	7,6	
100	MHz	11,1	
200	MHz	16,2	
400	MHz	23,2	

### MAX. POWER RATING W

		dB	W
500	MHz	26,2	
600	MHz	29,3	
800	MHz	34,3	
1000	MHz	38,7	
1350	MHz	46,4	
1500	MHz	49,3	

		dB	W
1750	MHz	54,3	
2150	MHz	61,8	
2250	MHz	63,0	
2500	MHz	67,8	
2750	MHz	70,6	
3000	MHz	73,7	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>31	1000 ÷ 2000	MHz	>18
300 ÷ 600	MHz	>28	2000 ÷ 3000	MHz	>14
600 ÷ 1000	MHz	>24	..... ÷ .....	MHz	-

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>53
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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