



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 59 PK

75 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

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



	A		B		C		D	
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MECHANICAL DATA

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

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	RESISTANCE	
		- INNER CONDUCT.	166 Ohm/Km
CAPACITANCE	67 pF/m	- BRAID	19,5 Ohm/Km
VELOCITY RATIO	66%	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.