



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 59 BX

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 6,20 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	168 x 0,10 mm
		- COVERAGE	92%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,20 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	M17/29-RG59 MIL-C-17G RG 59 BU 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** 14,7
- **PLASTIC** 35,4
- **TOTAL** 50,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 67 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 166 Ohm/Km
- **BRAID** 13 Ohm/Km

TENSION

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

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,3	
10	MHz	3,1	
50	MHz	7,4	
100	MHz	10,7	
200	MHz	15,7	
400	MHz	22,7	

MAX. POWER RATING W

		dB	W
500	MHz	25,7	
600	MHz	28,7	
800	MHz	33,6	
1000	MHz	38,0	
1350	MHz	45,6	
1500	MHz	48,5	

		dB	W
1750	MHz	53,5	
2150	MHz	60,9	
2250	MHz	62,1	
2500	MHz	66,8	
2750	MHz	69,6	
3000	MHz	72,7	

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	>57
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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