



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 58 ER

50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

CU PE CU PVC2
19 x 0,18 mm ø 2,95 mm ø 3,35 mm ø 5,00 mm



A B C D

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	19 x 0,18 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	BRAID	PLAIN COPPER	96 x 0,10 mm
	- COVERAGE		75%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/28-RG058 RG 58 ER 50 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 11,7
- PLASTIC 22,2
- TOTAL 33,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	RESISTANCE	
CAPACITANCE	100 pF/m	- INNER CONDUCT.	36,5 Ohm/Km
VELOCITY RATIO	66%	- BRAID	25 Ohm/Km
		TENSION	
		- SHEATH	4,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
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

		dB	W
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

		dB	W
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	>53
900 ÷ 2000 MHz	
2000 ÷ 3000 MHz	

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