



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 58 CU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**

CS PE CS PVC2
19 x 0,18 mm ø 2,95 mm ø 3,50 mm ø 5,00 mm



MECHANICAL DATA

A	INNER CONDUCTOR	TINNED COPPER	19 x 0,18 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	BRAID	TINNED COPPER	112 x 0,13 mm
		- COVERAGE	95%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/28-RG058 MIL-C-17G RG 58 CU 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 18,7
- PLASTIC 21,2
- TOTAL 39,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT. 36,5 Ohm/Km
- BRAID 14 Ohm/Km

TENSION

- SHEATH 4,0 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,7	849
10	MHz	4,1	600
50	MHz	9,7	268
100	MHz	13,9	190
200	MHz	20,4	134
400	MHz	30,0	95

MAX. POWER RATING W

		dB	W
500	MHz	34,2	85
600	MHz	37,9	77
800	MHz	45,1	67
1000	MHz	51,8	60
1350	MHz	61,2	52
1500	MHz	65,6	49

		dB	W
1750	MHz	71,6	45
2150	MHz	-	-
2250	MHz	-	-
2500	MHz	-	-
2750	MHz	-	-
3000	MHz	-	-

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>27	1000 ÷ 2000	MHz	>18
300 ÷ 600	MHz	>25	2000 ÷ 3000	MHz	0,00
600 ÷ 1000	MHz	>20 ÷	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.