



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



A B C D

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-17F 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 SPARK TESTING** 4,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,7	
10	MHz	4,1	
50	MHz	9,7	
100	MHz	13,9	
200	MHz	20,4	
400	MHz	30,0	

MAX. POWER RATING W

		dB	W
500	MHz	34,2	
600	MHz	37,9	
800	MHz	45,1	
1000	MHz	51,8	
1350	MHz	61,2	
1500	MHz	65,6	

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

STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz >28
300 ÷ 600 MHz >27
600 ÷ 1000 MHz >25

1000 ÷ 2000 MHz >20
2000 ÷ 3000 MHz >18
..... ÷ 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.