



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 058 CU

50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

CS PE CS PVC2
19 x 0,18 mm ø 2,95 mm ø 3,40 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	144 x 0,10 mm
	- COVERAGE		94%
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 15,1
- PLASTIC 22,2
- TOTAL 37,3

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	VOLTAGE	
CAPACITANCE	100 pF/m	- OPERATING	≤ 2,5 kV
VELOCITY RATIO	66%	TEST (50 Hz / 1 min)	≤ 5 kV
RESISTANCE		TENSION	
- INNER CONDUCT.	36,5 Ohm/Km	- SHEATH	4,0 kV
- BRAID	15 Ohm/Km	SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,9	849
10	MHz	4,3	600
30	MHz	7,9	346
50	MHz	10,2	268
150	MHz	18,2	155
220	MHz	22,2	128

MAX. POWER RATING W

		dB	W
450	MHz	33,0	89
600	MHz	38,9	77
800	MHz	45,8	67
900	MHz	48,9	63
1000	MHz	52,4	60
1500	MHz	67,0	49

		dB	W
1800	MHz	74,7	44
2000	MHz	79,8	43
2500	MHz	96,6	38
3000	MHz	111,0	35
5200	MHz	175,3	26
5800	MHz	191,7	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	>57
900 ÷ 2000 MHz	
2000 ÷ 3000 MHz	

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