



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 58 CU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E<sub>ca</sub>**

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

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	.....	<b>19 x 0,18 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	<b>ø 2,95 ± 0,10 mm</b>
<b>C</b>	<b>BRAID</b>	TINNED COPPER	.....	<b>112 x 0,13 mm</b>
		- COVERAGE	.....	<b>95%</b>
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		<b>ø 5,00 ± 0,10 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>M17/28-RG058 MIL-C-17G RG 58 CU 50 Ohm</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### 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	2,9	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.

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