



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RG 058 CU

50 OHM RF COAXIAL CABLE

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

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

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	19 x 0,18 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
<b>C</b>	<b>BRAID</b>	TINNED COPPER	144 x 0,10 mm
	- COVERAGE		94%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 mm
	- 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 15,1
- PLASTIC 22,2
- TOTAL 37,3

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	100 pF/m	- INNER CONDUCT.	36,5 Ohm/Km
<b>VELOCITY RATIO</b>	66%	- BRAID	15 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	4,0 kV
		<b>SPARK TESTING</b>	

### 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	>28	1000 ÷ 2000	MHz	>20
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>18
600 ÷ 1000	MHz	>25	..... ÷ .....	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.