



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 58 CK

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 3,35 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	96 x 0,10 mm
	- COVERAGE		75%
<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 RG 58 CK 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 11,5
- PLASTIC 22,2
- TOTAL 33,7

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 3 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCT.	36,5 Ohm/Km
<b>CAPACITANCE</b>	100 pF/m	- BRAID	25 Ohm/Km
<b>VELOCITY RATIO</b>	66%	<b>TENSION</b>	
		- SHEATH	4,0 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,9	849
10	MHz	4,3	600
30	MHz	8,0	346
50	MHz	10,3	268
150	MHz	18,4	155
220	MHz	22,5	128

### MAX. POWER RATING W

		dB	W
450	MHz	33,4	89
600	MHz	39,4	77
800	MHz	46,4	67
900	MHz	49,5	63
1000	MHz	53,1	60
1500	MHz	67,8	49

		dB	W
1800	MHz	75,5	44
2000	MHz	80,7	43
2500	MHz	97,9	38
3000	MHz	112,5	35
5200	MHz	177,3	26
5800	MHz	193,8	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	>53
900 ÷ 2000 MHz	
2000 ÷ 3000 MHz	

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