



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RG 174 AU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

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

<b>CW</b>	<b>PE</b>	<b>CS</b>	<b>PVC2</b>
7 x 0,16 mm	ø 1,50 mm	ø 1,90 mm	ø 2,80 mm



	<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>	
--	----------	--	----------	--	----------	--	----------	--

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD	.....	<b>7 x 0,16 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	<b>ø 1,50 ± 0,08 mm</b>
<b>C</b>	<b>BRAID</b>	TINNED COPPER	.....	<b>64 x 0,10 mm</b>
		- COVERAGE	.....	<b>88%</b>
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 2,80 ± 0,13 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>M17/119-RG174 MIL-C-17F RG 174 AU 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** 5,9
- **PLASTIC** 6,6
- **TOTAL** 12,5

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

### RESISTANCE

- **INNER CONDUCT.** 282 Ohm/Km
- **BRAID** 39 Ohm/Km

### TENSION

- **SHEATH SPARK TESTING** 2,0 kV

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	7,4	
10	MHz	9,5	
50	MHz	17,5	
100	MHz	25,8	
200	MHz	38,2	
400	MHz	54,9	

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
500	MHz	63,1	
600	MHz	68,6	
800	MHz	77,0	
1000	MHz	87,5	
1350	MHz	-	
1500	MHz	-	

		<b>dB</b>	<b>W</b>
1750	MHz	-	
2150	MHz	-	
2250	MHz	-	
2500	MHz	-	
2750	MHz	-	
3000	MHz	-	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>27	1000 ÷ 2000	MHz	-
300 ÷ 600	MHz	>23	2000 ÷ 3000	MHz	-
600 ÷ 1000	MHz	>21	..... ÷ .....	MHz	-

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>52
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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