



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 174 AU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**

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



A B C D

MECHANICAL DATA

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

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	VOLTAGE	
CAPACITANCE	100 pF/m	- OPERATING	≤ 1,5 kV
VELOCITY RATIO	66%	TEST (50 Hz / 1 min)	≤ 3 kV
RESISTANCE		TENSION	
- INNER CONDUCT.	315 Ohm/Km	- SHEATH	2,0 kV
- BRAID	39 Ohm/Km	SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,4	226
10	MHz	9,5	160
30	MHz	13,3	92
50	MHz	17,5	72
150	MHz	33,0	41
220	MHz	40,3	34

MAX. POWER RATING W

		dB	W
450	MHz	58,7	24
600	MHz	68,6	21
800	MHz	77,0	18
900	MHz	82,8	17
1000	MHz	87,5	16
1500	MHz	122,5	13

		dB	W
1800	MHz	135,0	12
2000	MHz	145,0	11
2500	MHz	165,5	10
3000	MHz	184,5	9
5200	MHz	267,5	7
5800	MHz	292,0	7

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>17
450 ÷ 1000	MHz	>23	3000 ÷ 4000	MHz	>17
1000 ÷ 2000	MHz	>21	4000 ÷ 5800	MHz	>16

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.