



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 174 UR

50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

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



A B C D

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,16 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 1,50 ± 0,08 mm
C	BRAID	PLAIN 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 RG 174 UR 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 6,1
- PLASTIC 6,6
- TOTAL 12,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	RESISTANCE	
CAPACITANCE	100 pF/m	- INNER CONDUCT.	122 Ohm/Km
VELOCITY RATIO	66%	- BRAID	39 Ohm/Km
		TENSION	
		- SHEATH	2,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,5	226
10	MHz	9,6	160
30	MHz	13,4	92
50	MHz	17,7	72
150	MHz	33,2	41
220	MHz	40,6	34

MAX. POWER RATING W

		dB	W
450	MHz	59,2	24
600	MHz	69,2	21
800	MHz	77,6	18
900	MHz	83,5	17
1000	MHz	88,3	16
1500	MHz	123,4	13

		dB	W
1800	MHz	136,0	12
2000	MHz	146,0	11
2500	MHz	166,6	10
3000	MHz	185,6	9
5200	MHz	268,8	7
5800	MHz	293,3	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.