



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 213 PK

50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

CU PE CU PVC2
7 x 0,65 mm ø 6,30 mm ø 6,80 mm ø 9,50 mm



A B C D

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,65 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 6,30 ± 0,15 mm
C	BRAID	PLAIN COPPER	144 x 0,12 mm
		- COVERAGE	70%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 9,50 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/74-RG213 RG 213 PK 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	37,0
- PLASTIC	79,2
- TOTAL	116,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	VOLTAGE	
CAPACITANCE	100 pF/m	- OPERATING	≤ 4,5 kV
VELOCITY RATIO	66%	TEST (50 Hz / 1 min)	≤ 9 kV
RESISTANCE		TENSION	
- INNER CONDUCT.	7,8 Ohm/Km	- SHEATH	7,0 kV
- BRAID	12,0 Ohm/Km	SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,4	2121
10	MHz	2,0	1500
50	MHz	4,9	671
100	MHz	7,4	474
200	MHz	10,8	335
400	MHz	16,0	237

MAX. POWER RATING W

		dB	W
500	MHz	18,5	212
600	MHz	20,6	194
800	MHz	24,3	168
1000	MHz	28,0	150
1350	MHz	33,7	129
1500	MHz	35,7	122

		dB	W
1750	MHz	39,5	113
2150	MHz	45,1	102
2250	MHz	46,4	100
2500	MHz	50,1	95
2750	MHz	53,3	90
3000	MHz	57,1	87

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>31	1000 ÷ 2000	MHz	>23
300 ÷ 600	MHz	>28	2000 ÷ 3000	MHz	>20
600 ÷ 1000	MHz	>26	 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>50
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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