



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 214 RK

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

CA 7 x 0,75 mm PE ø 7,25 mm CS ø 7,75 mm CS ø 8,30 mm PVC2 ø 10,8 mm



A B C D E

MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	7 x 0,75 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	1° BRAID	TINNED COPPER	192 x 0,13 mm
	- COVERAGE		85%
D	2° BRAID	TINNED COPPER	216 x 0,13 mm
	- COVERAGE		91%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,8 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/75-RG214 RG 214 RK 50 Ohm	
		MADE IN ITALY CE 56 WEEK/YEAR	EN 50575:2014 + A1:2016 E _{ca}

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 89,6
- PLASTIC 92,4
- TOTAL 182,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT. 6 Ohm/Km
- BRAID 4,3 Ohm/Km

TENSION

- SHEATH 6,0 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,3	2828
10	MHz	1,9	2000
30	MHz	3,5	1155
50	MHz	4,5	894
150	MHz	8,6	516
220	MHz	10,6	426

MAX. POWER RATING W

		dB	W
450	MHz	15,6	298
600	MHz	18,1	258
800	MHz	21,6	224
900	MHz	23,1	211
1000	MHz	24,7	200
1500	MHz	32,2	163

		dB	W
1800	MHz	36,3	149
2000	MHz	38,9	141
2500	MHz	45,5	126
3000	MHz	52,2	115
5200	MHz	81,3	88
5800	MHz	88,5	83

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>18
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>17

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>75
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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