



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 223 U

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**

CA PE CA CA PVC2
ø 0,90 mm ø 2,95 mm ø 3,50 mm ø 4,00 mm ø 5,40 mm



|| A || B || C || D || E ||

MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	ø 0,90 ± 0,025 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	1° BRAID	SILVERED COPPER	112 x 0,13 mm
	- COVERAGE		98%
D	2° BRAID	SILVERED COPPER	112 x 0,13 mm
	- COVERAGE		97%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,40 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/84-RG223 MIL-C-17F RG 223 U 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 38,5
- PLASTIC 21,4
- TOTAL 59,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	RESISTANCE	
		- INNER CONDUCT.	28,0 Ohm/Km
CAPACITANCE	100 pF/m	- BRAID	8,0 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	3,5 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	1131
10	MHz	3,8	800
30	MHz	7,1	462
50	MHz	9,2	358
150	MHz	16,6	207
220	MHz	20,3	171

MAX. POWER RATING W

		dB	W
450	MHz	30,1	119
600	MHz	35,4	103
800	MHz	41,6	89
900	MHz	44,5	84
1000	MHz	47,4	80
1500	MHz	60,5	65

		dB	W
1800	MHz	67,4	60
2000	MHz	72,2	57
2500	MHz	82,6	51
3000	MHz	90,5	46
5200	MHz	126,3	35
5800	MHz	136,7	34

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>28	2000 ÷ 3000	MHz	>23
450 ÷ 1000	MHz	>25	3000 ÷ 4000	MHz	>22
1000 ÷ 2000	MHz	>24	4000 ÷ 5800	MHz	>21

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>78
900 ÷ 2000	MHz	
2000 ÷ 3000	MHz	

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