



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 223 U-ZH

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS
COMPLIANCE IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CA PE CA CA Pet LSZH
ø 0,90 mm ø 2,95 mm ø 3,50 mm ø 4,00 mm h. 16 mm ø 5,40 mm



A B C D E F

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	NON-MIGRATING	POLYESTER TAPE	.....	h. 16 mm
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		ø 5,40 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	M17/84-RG223 MIL-C-17G RG 223 U-ZH 50 Ohm LSZH		
		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 21,9
- TOTAL 60,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT. 28 Ohm/Km
- BRAID 8 Ohm/Km

TENSION

- SHEATH SPARK TESTING 3,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	
10	MHz	3,7	
50	MHz	9,0	
100	MHz	13,0	
200	MHz	19,3	
400	MHz	28,1	

MAX. POWER RATING W

		dB	W
500	MHz	31,9	
600	MHz	35,3	
800	MHz	42,3	
1000	MHz	48,5	
1350	MHz	57,4	
1500	MHz	61,3	

		dB	W
1750	MHz	66,9	
2150	MHz	75,9	
2250	MHz	77,7	
2500	MHz	82,5	
2750	MHz	87,0	
3000	MHz	91,2	

STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>32	1000 ÷ 2000 MHz	>19
300 ÷ 600 MHz	>28	2000 ÷ 3000 MHz	>18
600 ÷ 1000 MHz	>23 ÷	-

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.