

RG 214 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
7 x 0,75 mm ø 7,25 mm ø 7,90 mm ø 8,60 mm h. 27 mm ø 10,8 mm



A B C D E F

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	SILVERED COPPER - COVERAGE	144 x 0,16 mm 96%
D	2° BRAID	SILVERED COPPER - COVERAGE	168 x 0,16 mm 98%
E	NON-MIGRATING	POLYESTER TAPE	h. 27 mm
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,8 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/75-RG214 MIL-C-17G RG 214 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 -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	119,7
- PLASTIC	89,4
- TOTAL	209,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT.	6 Ohm/Km
- BRAID	4,2 Ohm/Km

TENSION

- SHEATH	5,5 kV
- SPARK TESTING	

ATTENUAZIONI 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	8,5	516
220	MHz	10,5	426

POTENZA MASSIMA W

		dB	W
450	MHz	15,4	298
600	MHz	17,8	258
800	MHz	21,3	224
900	MHz	22,7	211
1000	MHz	24,3	200
1500	MHz	31,7	163

		dB	W
1800	MHz	35,7	149
2000	MHz	38,3	141
2500	MHz	44,7	126
3000	MHz	51,3	115
5200	MHz	79,9	88
5800	MHz	87,0	83

PERDITE CUMULATIVE DI RIFLESSIONE (SRL) 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	>78
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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