



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# 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<sub>ca</sub>**

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

<b>A</b>	<b>INNER CONDUCTOR</b>	SILVERED COPPER	.....	<b>7 x 0,75 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	<b>ø 7,25 ± 0,18 mm</b>
<b>C</b>	<b>1° BRAID</b>	SILVERED COPPER	.....	<b>144 x 0,16 mm</b>
		- COVERAGE	.....	<b>96%</b>
<b>D</b>	<b>2° BRAID</b>	SILVERED COPPER	.....	<b>168 x 0,16 mm</b>
		- COVERAGE	.....	<b>98%</b>
<b>E</b>	<b>NON-MIGRATING</b>	POLYESTER TAPE	.....	<b>h. 27 mm</b>
<b>F</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	<b>ø 10,8 ± 0,18 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>M17/75-RG214 MIL-C-17G RG 214 U-ZH 50 Ohm LSZH</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### 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 SPARK TESTING 5,5 kV

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,3	
10	MHz	1,9	
50	MHz	4,5	
100	MHz	6,7	
200	MHz	9,9	
400	MHz	14,3	

### MAX. POWER RATING W

		dB	W
500	MHz	16,1	
600	MHz	17,8	
800	MHz	21,3	
1000	MHz	24,3	
1350	MHz	29,7	
1500	MHz	31,7	

		dB	W
1750	MHz	35,2	
2150	MHz	40,5	
2250	MHz	41,5	
2500	MHz	44,7	
2750	MHz	47,9	
3000	MHz	51,3	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>23	1000 ÷ 2000 MHz	>19
300 ÷ 600 MHz	>20	2000 ÷ 3000 MHz	>19
600 ÷ 1000 MHz	>20	..... ÷ .....	MHz -

### 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.