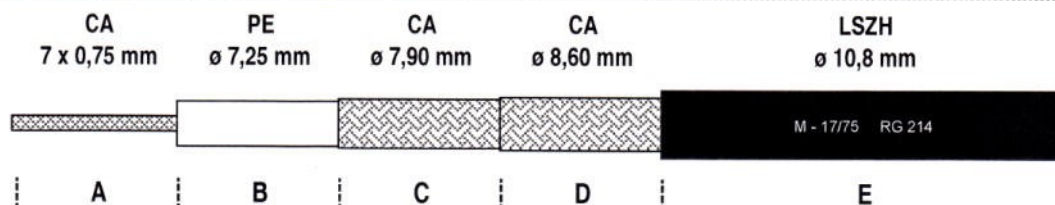


# RG 214 U-ZH

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	SILVERED COPPER	7 x 0,75 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
<b>C</b>	<b>1° BRAID</b>	SILVERED COPPER	144 x 0,16 mm
	- COVERAGE		96%
<b>D</b>	<b>2° BRAID</b>	SILVERED COPPER	168 x 0,16 mm
	- COVERAGE		98%
<b>E</b>	<b>SHEATH</b>	NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,8 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M1775-RG214 MIL-C-17G RG 214 U-ZH 50 Ohm LSZH IEC 60332.1</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

### TAMPERATURE RANGE

-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	117,7
- PLASTIC	89,4
- TOTAL	207,1

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

### RESISTANCE

- INNER CONDUCTOR	6 Ohm/Km
- BRAID	3,1 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	5,5 kV
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### ATTENUATIONS dB/100 m.

5 MHz	1,3	500 MHz	16,1	1750 MHz	35,2
10 MHz	1,9	600 MHz	17,8	2150 MHz	40,5
50 MHz	4,5	800 MHz	21,3	2250 MHz	41,5
100 MHz	6,7	1000 MHz	24,3	2500 MHz	44,7
200 MHz	9,9	1350 MHz	29,7	2750 MHz	47,9
300 MHz	12,1	1500 MHz	31,7	3000 MHz	51,3

### STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>31	1000 ÷ 2000 MHz	>24
300 ÷ 600 MHz	>28	2000 ÷ 3000 MHz	>22
600 ÷ 1000 MHz	>27	..... ÷ .....	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.