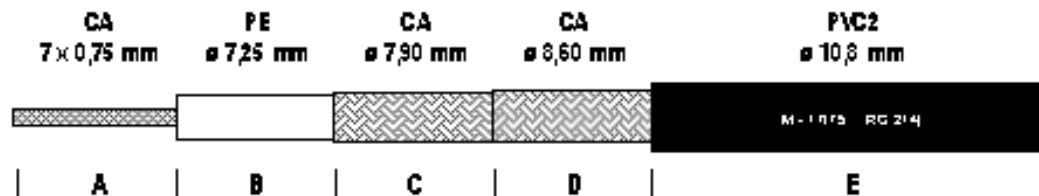




# RG 214 U

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	.....	<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>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 10,8 ± 0,18 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>■ - 1775 RG 214 ■ LC-17F RG 214 U 50 OHM</b>		

### MINIMUM BENDING RADIUS ( mm )

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

### CABLE WEIGHT ( Kg/Km )

- COPPER 117,7
- PLASTIC 87,6
- TOTAL 205,3

### TEMPERATURE RANGE

-30 °C / +70 °C

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 2 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCTOR	6 Ohm/Km
<b>CAPACITANCE</b>	100 pF/m	- BRAID	4,2 Ohm/Km
<b>VELOCITY RATIO</b>	66%	<b>TENSION</b>	
		- SHEATH	5,5kV
		- SPARK TESTING	

### 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	
300	MHz	12,1	

### 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	>31
300 ÷ 600	MHz	>28
600 ÷ 1000	MHz	>27

1000 ÷ 2000	MHz	>24
2000 ÷ 3000	MHz	>22
..... ÷ .....	MHz	-

### SCREENING EFFECTIVENESS dB

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

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