

# RG 214 U

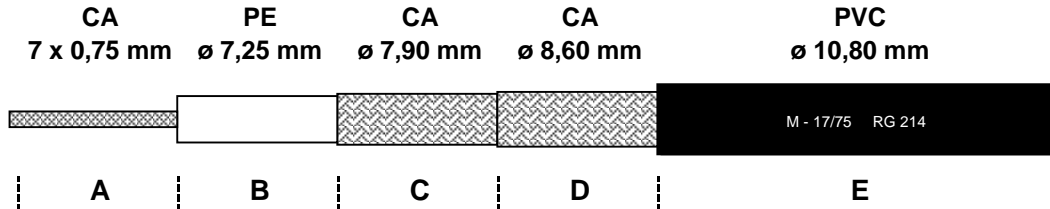
DOUBLE SCREENED 50 OHM RF COAXIAL CABLE  
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

## koax24



Order number 050146

Class CPR **E<sub>ca</sub>**



### 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-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,80 ± 0,18 mm
		- COLOUR	<b>BLACK - RAL 9004</b>
		- PRINTING	<b>M17/75-RG214 MIL-C-17F RG 214 U 50 Ohm</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

-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER 119,7
- PLASTIC 87,6
- TOTAL 207,3

### ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 2 Ohm

### RESISTANCE

- INNER CONDUCT. 6,0 Ohm/Km
- BRAID 4,2 Ohm/Km

**CAPACITANCE** 100 pF/m

### TENSION

- SHEATH SPARK TESTING 5,5 kV

**VELOCITY RATIO** 66%

### 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	>28	1000 ÷ 2000	MHz	>22
300 ÷ 600	MHz	>26	2000 ÷ 3000	MHz	>20
600 ÷ 1000	MHz	>25	..... ÷ .....	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.