

# RG 223 U

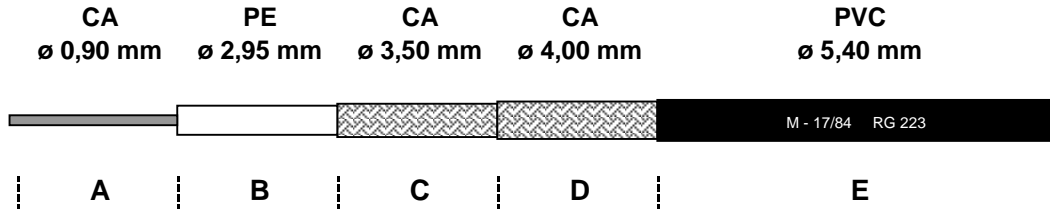
DOUBLE SCREENED 50 OHM RF COAXIAL CABLE  
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

## koax24



Order number 050242

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



### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	SILVERED COPPER	.....	$\varnothing$ 0,90 ± 0,025 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	$\varnothing$ 2,95 ± 0,10 mm
<b>C</b>	<b>1° BRAID</b>	SILVERED COPPER	.....	112 x 0,13 mm
		- COVERAGE	.....	98%
<b>D</b>	<b>2° BRAID</b>	SILVERED COPPER	.....	112 x 0,13 mm
		- COVERAGE	.....	97%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		$\varnothing$ 5,40 ± 0,10 mm
		- COLOUR	<b>BLACK - RAL 9004</b>	
		- PRINTING	<b>M17/84-RG223 MIL-C-17F RG 223 U 50 Ohm</b> <b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	$\varnothing$ EXTERNAL X 5
- REPEATED	$\varnothing$ EXTERNAL X 10
<b>TEMPERATURE RANGE</b>	-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	38,5
- PLASTIC	21,4
- TOTAL	59,9

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 2 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	100 pF/m	- INNER CONDUCT.	28 Ohm/Km
<b>VELOCITY RATIO</b>	66%	- BRAID	8 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	3,5 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	2,6	
10	MHz	3,7	
50	MHz	9,0	
100	MHz	13,0	
200	MHz	19,3	
400	MHz	28,1	

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
500	MHz	31,9	
600	MHz	35,3	
800	MHz	42,3	
1000	MHz	48,5	
1350	MHz	57,4	
1500	MHz	61,3	

		<b>dB</b>	<b>W</b>
1750	MHz	66,9	
2150	MHz	75,9	
2250	MHz	77,7	
2500	MHz	82,5	
2750	MHz	87,0	
3000	MHz	91,2	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>32
300 ÷ 600	MHz	>28
600 ÷ 1000	MHz	>23

### SCREENING EFFECTIVENESS dB

1000 ÷ 2000	MHz	>19	100 ÷ 900	MHz	>78
2000 ÷ 3000	MHz	>18	900 ÷ 2000	MHz	-
..... ÷ .....	MHz	-	2000 ÷ 3000	MHz	-

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