

# RG 6 AU

DOUBLE SCREENED 75 OHM RF COAXIAL CABLE  
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

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

**CW**      **PE**      **CA**      **CU**      **PVC2**  
 $\varnothing$  0,72 mm     $\varnothing$  4,70 mm     $\varnothing$  5,30 mm     $\varnothing$  5,90 mm     $\varnothing$  8,50 mm



|| **A** || **B** || **C** || **D** || **E** ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD	.....	$\varnothing$ 0,72 $\pm$ 0,025 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	$\varnothing$ 4,70 $\pm$ 0,10 mm
<b>C</b>	<b>1° BRAID</b>	SILVERED COPPER	.....	144 x 0,16 mm
		- COVERAGE	.....	97%
<b>D</b>	<b>2° BRAID</b>	PLAIN COPPER	.....	144 x 0,16 mm
		- COVERAGE	.....	95%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		$\varnothing$ 8,50 $\pm$ 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>M17/2-RG6 MIL-C-17F RG 6 AU 75 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

**TEMPERATURE RANGE**      -30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- **COPPER**      64,6
- **PLASTIC**      58,8
- **TOTAL**      123,4

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE**      75  $\pm$  3 Ohm

**CAPACITANCE**      67 pF/m

**VELOCITY RATIO**      66%

### RESISTANCE

- **INNER CONDUCT.**      97 Ohm/Km
- **BRAID**      5 Ohm/Km

### TENSION

- **SHEATH SPARK TESTING**      6,0 kV

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,7	
10	MHz	2,4	
50	MHz	5,8	
100	MHz	8,5	
200	MHz	12,5	
400	MHz	18,0	

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
500	MHz	20,3	
600	MHz	22,6	
800	MHz	26,5	
1000	MHz	30,4	
1350	MHz	37,6	
1500	MHz	40,1	

		<b>dB</b>	<b>W</b>
1750	MHz	44,6	
2150	MHz	51,1	
2250	MHz	52,0	
2500	MHz	55,3	
2750	MHz	57,6	
3000	MHz	60,3	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>18
300 ÷ 600	MHz	>24	2000 ÷ 3000	MHz	>15
600 ÷ 1000	MHz	>22	..... ÷ .....	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.