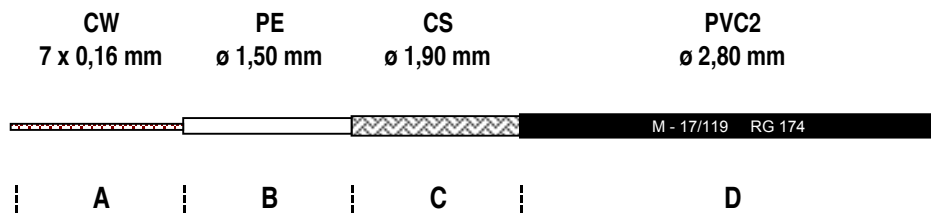


# RG 174 AU

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



## MECHANICAL DATA

<b>A</b>	INNER CONDUCTOR	COPPERWELD	7 x 0,16 mm
<b>B</b>	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 1,50 ± 0,08 mm
<b>C</b>	BRAID	TINNED COPPER	64 x 0,10 mm
		- COVERAGE	88%
<b>D</b>	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 2,80 ± 0,13 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M - 17/119 RG 174 MIL-C-17F RG 174 AU 50 OHM</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	5,9
- PLASTIC	6,6
- TOTAL	12,5

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

### RESISTANCE

- INNER CONDUCTOR	282 Ohm/Km
- BRAID	39 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	2,0 kV
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### ATTENUATIONS dB/100 m.

5 MHz	7,4	500 MHz	63,1	1750 MHz	-
10 MHz	9,5	600 MHz	68,6	2150 MHz	-
50 MHz	17,5	800 MHz	77,0	2250 MHz	-
100 MHz	25,8	1000 MHz	87,5	2500 MHz	-
200 MHz	38,2	1350 MHz	-	2750 MHz	-
300 MHz	47,3	1500 MHz	-	3000 MHz	-

### STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>27	1000 ÷ 2000 MHz	-
300 ÷ 600 MHz	>23	2000 ÷ 3000 MHz	-
600 ÷ 1000 MHz	>21	..... ÷ .....	MHz -

### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>52
900 ÷ 2000 MHz	-
2000 ÷ 3000 MHz	-

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