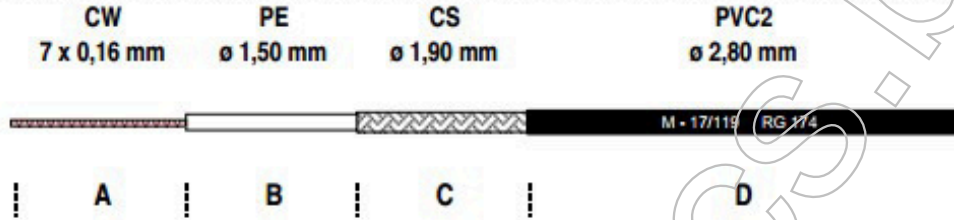


RG 174 AU

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



MECHANICAL DATA

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

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 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

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	25,6	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.