

RG 174 AU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

koax24



Order number 050239

Class CPR **E_{ca}**

CW 7 x 0,16 mm PE ø 1,50 mm CS ø 1,90 mm PVC ø 2,80 mm



|| A || B || C || D ||

MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	7 x 0,16 mm (ø 0,48 mm)
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 1,50 ± 0,08 mm
C	BRAID	TINNED COPPER	64 x 0,10 mm
		- COVERAGE	88%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 2,80 ± 0,13 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/119-RG174 MIL-C-17F RG 174 AU 50 Ohm	
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

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 CONDUCT. 282 Ohm/Km
- BRAID 39 Ohm/Km

TENSION

- SHEATH 2,0 kV

SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,4	
10	MHz	9,5	
50	MHz	17,5	
100	MHz	25,8	
200	MHz	38,2	
400	MHz	54,9	

MAX. POWER RATING W

		dB	W
500	MHz	63,1	
600	MHz	68,6	
800	MHz	77,0	
1000	MHz	87,5	
1350	MHz	-	
1500	MHz	-	

		dB	W
1750	MHz	-	
2150	MHz	-	
2250	MHz	-	
2500	MHz	-	
2750	MHz	-	
3000	MHz	-	

STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz >27
 300 ÷ 600 MHz >23
 600 ÷ 1000 MHz >21

SCREENING EFFECTIVENESS dB

1000 ÷ 2000 MHz -
 2000 ÷ 3000 MHz -
 ÷ MHz -
 100 ÷ 900 MHz >52
 900 ÷ 2000 MHz -
 2000 ÷ 3000 MHz -

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