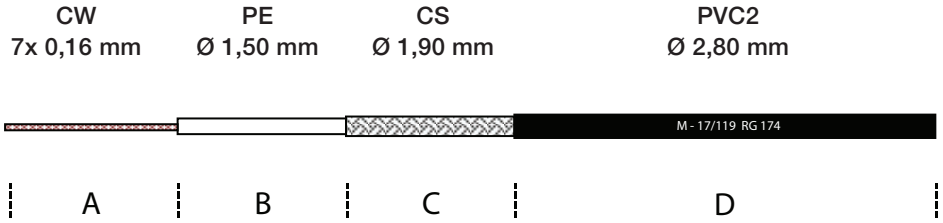
Part number: RG174:781746 metervara

MLX RG 174 AU

Class CPR Eca

50 OHM RF COXIAL 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	**64 x 0,10 mm**
		Coverage	**88%**
D	SHEAT	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 to +70°C**

CABLE WEIGHT (Kg/Km)

Copper	**5,9**
Plastic	**6,6**
Total	**12,5**

ELECTRICAL PROPERTIES AT 20°

Impedance @ 200 MHz	Capacitance	Velocity ratio	Resistance		Tension
50 ± 2 Ohm	100pF/m	66%	Inner conduct: 282 Ohm/Km	Braid: 39 Ohm/km	Sheath spark testing: 2,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,4	226
10	MHz	9,5	160
30	MHz	13,3	92
50	MHz	17,5	72
150	MHz	33,0	41
220	MHz	40,3	34

MAX.POWER RATING W

		dB	W
450	MHz	58,7	24
600	MHz	68,6	21
800	MHz	77,0	18
900	MHz	82,8	17
1000	MHz	87,5	16
1500	MHz	122,5	13

		dB	W
1800	MHz	135,0	12
2000	MHz	145,0	11
2500	MHz	165,5	10
3000	MHz	184,5	9
5200	MHz	267,5	7
5800	MHz	292,0	7

STRUCTUAL RETURN LOSS dB

30 ÷ 450	MHz	**<27**
450 ÷ 1000	MHz	**<23**
1000 ÷ 2000	MHz	**<21**

2000 ÷ 3000	MHz	**<17**
3000 ÷ 4000	MHz	**<17**
4000 ÷ 5800	MHz	**<16**

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.
***Customized length and connectors on request.