

RG 179 BU

75 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

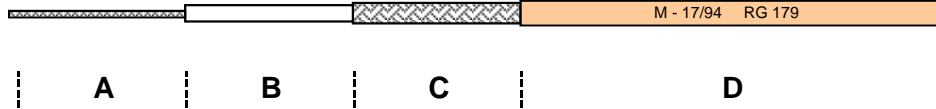
koax24



Order number 050241

Class CPR **E_{ca}**

CW AG PTFE CA FEP
7 x 0,10 mm ø 1,60 mm ø 2,00 mm ø 2,54 mm



MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPERWELD	7 x 0,10 mm (ø 0,31 mm)
B	DIELECTRIC	POLYTETRAFLUORETHYLENE (TEFLON)	ø 1,60 ± 0,08 mm
C	BRAID	SILVERED COPPER	80 x 0,10 mm
		- COVERAGE	96%
D	SHEATH	PERFLUOROETHYLENE-PROPYLENE	ø 2,54 ± 0,13 mm
	- COLOUR	BROWN	
	- PRINTING	MIL-C-17F RG 179 BU 75 OHM	

MINIMUM BENDING RADIUS (mm)

- **SINGLE** ø EXTERNAL X 5
- **REPEATED** ø EXTERNAL X 10

TEMPERATURE RANGE -100 °C / +200 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 6,4
- **PLASTIC** 8,7
- **TOTAL** 15,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	800 Ohm/Km
CAPACITANCE	64 pF/m	- BRAID	28 Ohm/Km
		TENSION	
VELOCITY RATIO	70%	- SHEATH	0,00
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	10,0	
10	MHz	13,1	
50	MHz	19,0	
100	MHz	25,3	
200	MHz	36,6	
400	MHz	54,7	

MAX. POWER RATING W

		dB	W
500	MHz	62,1	
600	MHz	68,8	
800	MHz	81,1	
1000	MHz	89,3	
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	>22
300 ÷ 600	MHz	>22
600 ÷ 1000	MHz	>22

1000 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-
..... ÷	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.