

RG 316 U

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

KOAX24



Order number 050243

Class CPR **E_{ca}**

CW AG PTFE CA FEP
7 x 0,17 mm ø 1,52 mm ø 2,00 mm ø 2,54 mm



A B C D

MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPERWELD	7 x 0,17 mm
B	DIELECTRIC	POLYTETRAFLUORETHYLENE (TEFLON)	ø 1,52 ± 0,08 mm
C	BRAID	SILVERED COPPER	80 x 0,10 mm
		- COVERAGE	95%
D	SHEATH	PERFLUOROETHYLENE-PROPYLENE	ø 2,54 ± 0,13 mm
	- COLOUR	BROWN	
	- PRINTING	M - 17/113 RG 316 MIL-C-17F RG 316 U 50 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 7,1
- PLASTIC 8,1
- TOTAL 15,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 95 pF/m

VELOCITY RATIO 69%

RESISTANCE

- INNER CONDUCT. 276 Ohm/K
- BRAID 22 Ohm/Km

TENSION

- SHEATH

SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,0	
10	MHz	9,0	
50	MHz	19,0	
100	MHz	28,0	
200	MHz	40,0	
300	MHz	46,0	

MAX. POWER RATING W

		dB	W
500	MHz	60,0	
600	MHz	66,0	
800	MHz	78,0	
1000	MHz	93,0	
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 >21
600 ÷ 1000 MHz >20

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.