



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 316 U

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

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		96%
D	SHEATH	PERFLUOROETHYLENE-PROPYLENE	ø 2,54 ± 0,13 mm
	- COLOUR	BROWN	
	- PRINTING	M - 17/172 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 -55 °C / +200 °C

CABLE WEIGHT (Kg/Km)

- COPPER 7,3
- PLASTIC 8,5
- TOTAL 15,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 97 pF/m

VELOCITY RATIO 69%

RESISTANCE

- INNER CONDUCT. 277 Ohm/Km
- BRAID 28 Ohm/Km

TENSION

- SHEATH
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,0	1867
10	MHz	9,0	1320
50	MHz	19,0	590
100	MHz	28,0	417
200	MHz	37,0	295
300	MHz	45,0	241

MAX. POWER RATING W

		dB	W
500	MHz	60,0	187
600	MHz	66,0	170
800	MHz	78,0	148
1000	MHz	93,0	132
1350	MHz	103,0	114
1500	MHz	109,0	108

		dB	W
1750	MHz	119,0	100
2150	MHz	134,0	90
2250	MHz	138,0	88
2500	MHz	147,0	83
2750	MHz	155,0	80
3000	MHz	163,0	76

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	-	1000 ÷ 2000	MHz	-
300 ÷ 600	MHz	-	2000 ÷ 3000	MHz	-
600 ÷ 1000	MHz	- ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>40
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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