



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 178 BU

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**

CW AG **PTFE** **CA** **FEP**
 7 x 0,10 mm ø 0,84 mm ø 1,25 mm ø 1,80 mm



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

MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPERWELD	7 x 0,10 mm
B	DIELECTRIC	POLYTETRAFLUORETHYLENE (TEFLON)	ø 0,84 ± 0,05 mm
C	BRAID	SILVERED COPPER	48 x 0,10 mm
	- COVERAGE		95%
D	SHEATH	PERFLUOROETHYLENE-PROPYLENE	ø 1,80 ± 0,10 mm
	- COLOUR	BROWN	
	- PRINTING	M - 17/169 RG 178 MIL-C-17F RG 178 BU 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** 4,0
- **PLASTIC** 4,4
- **TOTAL** 8,4

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 97 pF/m

VELOCITY RATIO 69%

RESISTANCE

- **INNER CONDUCT.** 800 Ohm/Km
- **BRAID** 48 Ohm/Km

TENSION

- **SHEATH**
- **SPARK TESTING**

ATTENUATIONS dB/100 m.

		dB	W
100	MHz	11,0	721
200	MHz	15,0	510
400	MHz	32,0	228
500	MHz	45,0	161
600	MHz	60,0	114
800	MHz	100,0	81

MAX. POWER RATING W

		dB	W
1000	MHz	110,0	72
	MHz	122,0	66
	MHz	140,0	57
	MHz	166,0	51
	MHz	188,0	44
	MHz	199,0	42

		dB	W
	MHz	218,0	39
	MHz	245,0	35
	MHz	251,0	34
	MHz	267,0	32
	MHz	285,0	31
	MHz	297,0	29

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.