FABBRICA CAVI - ANTENNE - ACCESSORI TV

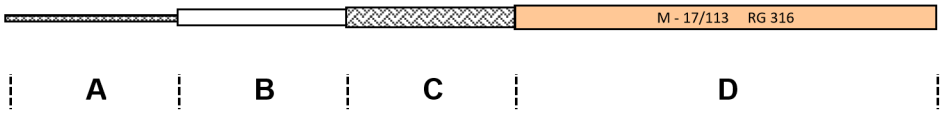
RG 316 U

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



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)		**CABLE WEIGHT (Kg/Km)**	
- **SINGLE**	ø EXTERNAL X 5	- **COPPER**	7,3
- **REPEATED**	ø EXTERNAL X 10	- **PLASTIC**	8,5
TEMPERATURE RANGE	-55 °C / +200 °C	- **TOTAL**	15,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	**RESISTANCE**	
		- **INNER CONDUCT.**	277 Ohm/Km
CAPACITANCE	97 pF/m	- **BRAID**	28 Ohm/Km
		TENSION	
VELOCITY RATIO	69%	- **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	-	100 ÷ 900	MHz	>40
300 ÷ 600	MHz	-	2000 ÷ 3000	MHz	-	900 ÷ 2000	MHz	-
600 ÷ 1000	MHz	-	….. ÷ …..	MHz	-	2000 ÷ 3000	MHz	-

SCREENING EFFECTIVENESS dB

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

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