FABBRICA CAVI - ANTENNE - ACCESSORI TV

RF 400 UF - PVC

HIGH FLEXIBLE AND PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS

Class CPR E_{ca}

CU	PEG	LRP	CU	PVC2
7 x 0,95 mm	ø 7,25 mm	ø 7,35 mm	ø 8,00 mm	ø 10,30 mm

A	B	C	D	E

MECHANICAL DATA

A	**INNER CONDUCTOR**	PLAIN COPPER	**7 x 0,95 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	**ø 7,25 ± 0,18 mm**
C	**SHIELD**	COPPER + POLYESTER TAPE	**h. 27 mm**
		- COVERAGE	**100%**
D	**BRAID**	PLAIN COPPER	**112 x 0,16 mm**
		- COVERAGE	**73%**
E	**SHEATH**	NON-CONTAMINATING POLYVINYL-CHLORIDE	**ø 10,30 ± 0,18 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**## METER ## RF 400 UF 50 OHM LOW LOSS FLEXIBLE CABLE 7x0,95/7,25/10,30 MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca**	

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 76,1
- **PLASTIC** 63,8
- **TOTAL** 139,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- **INNER CONDUCT.** 4,0 Ohm/Km
- **BRAID** 7,4 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 5,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,1	7778
10	MHz	1,4	5500
30	MHz	2,2	3175
50	MHz	3,0	2460
150	MHz	5,0	1420
220	MHz	6,1	1173

MAX. POWER RATING W

		dB	W
450	MHz	9,0	820
600	MHz	10,7	710
800	MHz	12,4	615
900	MHz	13,2	580
1000	MHz	14,1	550
1500	MHz	17,4	449

		dB	W
1800	MHz	19,3	410
2000	MHz	20,5	389
2500	MHz	23,3	348
3000	MHz	25,8	318
5200	MHz	35,5	241
5800	MHz	37,7	228

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>25	2000 ÷ 3000	MHz	>20	100 ÷ 900	MHz	>90
450 ÷ 1000	MHz	>24	3000 ÷ 4000	MHz	>19	900 ÷ 2000	MHz	>85
1000 ÷ 2000	MHz	>21	4000 ÷ 5800	MHz	>18	2000 ÷ 3000	MHz	>75

SCREENING EFFECTIVENESS dB

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

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