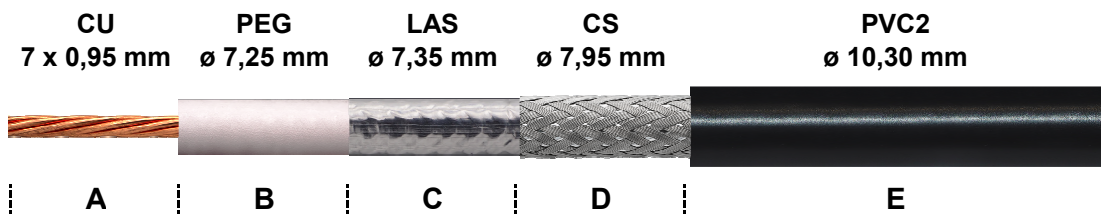


HF 400 Flexible

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

Class CPR **E_{ca}**



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	ALL + PET + ALL ADHESIVE TAPE	h. 27 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	192 x 0,15 mm
		- COVERAGE	90%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## RANGEFUL HF400 FLEXIBLE 50 OHM CU UV PVC LOW LOSS CABLE CE	
		WEEK/YEAR EN 50575:2014 + A1:2016 Eca MADE IN ITALY	

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 78,7
- **PLASTIC** 62,5
- **TOTAL** 144,5

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** 5,0 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 6,0 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
450 ÷ 1000	MHz	>24	3000 ÷ 4000	MHz	>19
1000 ÷ 2000	MHz	>21	4000 ÷ 5800	MHz	>18

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

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