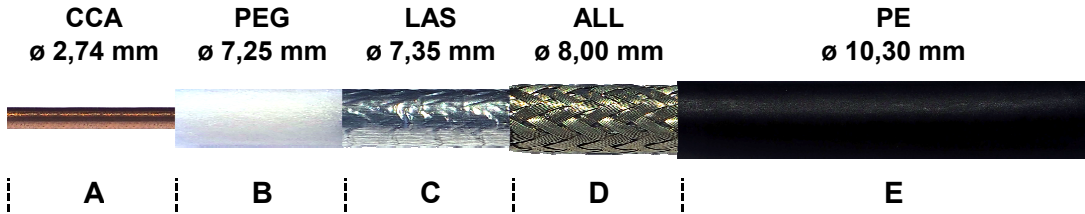


HF 400 ALL-PE

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

Class CPR **F_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER CLAD ALUMINIUM	ø 2,74 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	ALUMINIUM	168 x 0,16 mm
		- COVERAGE	88%
E	SHEATH	CARBON BLACK POLYETHYLENE	ø 10,30 ± 0,18 mm
		- COLOUR	BLACK - RAL 9004
	- PRINTING	## METER ## HF 400 ALL - PE HIGH PERFORMANCE LOW LOSS CABLE 50 OHM 2,74 / 7,25 / 10,30 MADE IN ITALY CE 58 WEEK/YEAR	

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- COPPER	21,4
- ALUMINIUM	10,8
- PLASTIC	43,7
- TOTAL	79,2

TEMPERATURE RANGE -40 °C / +75 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE
		- INNER CONDUCT.
CAPACITANCE	80 pF/m	- BRAID
		TENSION
VELOCITY RATIO	84%	- SHEATH
		- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,0	8202
10	MHz	1,3	5800
30	MHz	2,1	3349
50	MHz	2,8	2594
150	MHz	4,8	1498
220	MHz	5,8	1237

MAX. POWER RATING W

		dB	W
450	MHz	8,6	865
600	MHz	10,2	749
800	MHz	11,8	648
900	MHz	12,6	611
1000	MHz	13,4	580
1500	MHz	16,7	474

		dB	W
1800	MHz	18,5	432,0
2000	MHz	19,7	410,0
2500	MHz	22,2	367,0
3000	MHz	24,6	335,0
5200	MHz	34,1	254,0
5800	MHz	36,2	241,0

STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>27	2000 ÷ 3000 MHz	>22
450 ÷ 1000 MHz	>26	3000 ÷ 4000 MHz	>21
1000 ÷ 2000 MHz	>23	4000 ÷ 5800 MHz	>20

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.