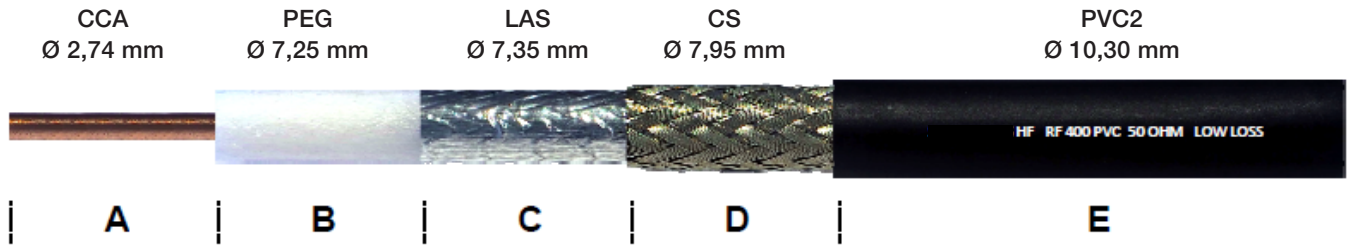


MLX 400

Class CPR **E_{ca}**

High performance broadband low loss 50 OHM coaxial
Communication cable designed for use in wireless applications



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 Coverage	h. 27 mm 100%
D	BRAID	Tinned copper Coverage	192 x 0,15 mm 90%
E	SHEAT	Non-contaminating polyvinyl-chloride Colour Printing - ##METER# HF 400PV High performance low loss cable 50 OHM 2,74 / 7,25 / 10,30 Made in Italy CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	Ø 10,30 ± 0,18 mm Black - RAL 9004

MINIMUM BENDING RADIUS (mm)

Single	Ø External X 5
Repeated	Ø External X 10
Temperature range	-30°C to +70°C

CABLE WEIGHT (Kg/Km)

Copper	56,0
Plastic	62,2
Total	121,5

ELECTRICAL PROPERTIES AT 20°

Impedance @ 200 MHz	Capacitance	Velocity ratio	Resistance		Tension
50 ± 1,5 Ohm	80pF/m	84%	Inner conduct: 4,7 Ohm/Km	Braid: 5,0 Ohm/km	Sheath spark testing: 6,0 kV

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	4,7	1498
220 MHz	5,7	1237

MAX. POWER RATING W

	dB	W
450 MHz	8,4	865
600 MHz	9,8	749
800 MHz	11,4	648
900 MHz	12,1	611
1000 MHz	12,8	580
1500 MHz	16,0	474

	dB	W
1800 MHz	17,7	432
2000 MHz	18,9	410
2500 MHz	21,1	367
3000 MHz	23,4	335
5200 MHz	32,7	254
5800 MHz	34,7	241

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.
***Customized length and connectors on request.