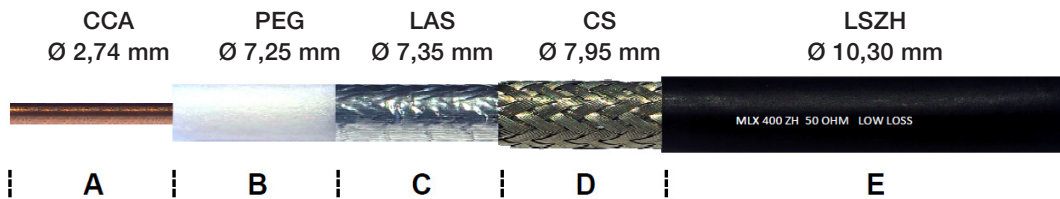


MLX 400 ZH

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

Class CPR E_{ca}

In accordance to: IEC 60754-1 IEC 60754-2 IEC 61034-2 Certified: EN45545-2



TECHNICAL 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	168 x 0,15 mm 90%
E	SHEAT	Flame retardant non-corrosive Thermoplastic free of halogens Colour	Ø 10,30 ± 0,18 mm Black - RAL 9004
Printing - ## METER ## MLX400 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM WEEK/YEAR			

MINIMUM BENDING RADIUS (mm)

Single	Ø External X 5
Repeated	Ø External X 10
Temperature range	-40°C to +80°C

CABLE WEIGHT (Kg/Km)

Copper	35,3
Aluminium	21,4
Plastic	63,9
Total	123,9

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.

MAX. POWER RATING W

		dB	W			dB	W			dB	W
5	MHz	1,0	8202	600	MHz	10,0	749	2500	MHz	21,5	367
10	MHz	1,4	5800	800	MHz	11,6	648	3000	MHz	23,6	335
30	MHz	2,2	3349	900	MHz	12,4	611	5200	MHz	32,8	254
50	MHz	2,8	2594	1000	MHz	13,1	580	5800	MHz	34,8	241
150	MHz	4,7	1498	1500	MHz	16,3	474	6000	MHz	35,4	237
220	MHz	5,9	1237	1800	MHz	18,1	432	8000	MHz	41,9	205
450	MHz	8,6	865	2000	MHz	19,2	410	10000	MHz	48,3	183

STRUCTURAL RETURN LOSS dB

SCREENING EFFECTIVENESS dB

30 ÷ 450	MHz	<34	3000 ÷ 4000	MHz	<22
450 ÷ 1000	MHz	<30	4000 ÷ 5800	MHz	<18
1000 ÷ 2000	MHz	<28	5800 ÷ 8000	MHz	<16
2000 ÷ 3000	MHz	<24	8000 ÷ 10000	MHz	<15

100 ÷ 900	MHz	<100
900 ÷ 2000	MHz	<95
2000 ÷ 3000	MHz	<85

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

***Customized length and connectors on request.