

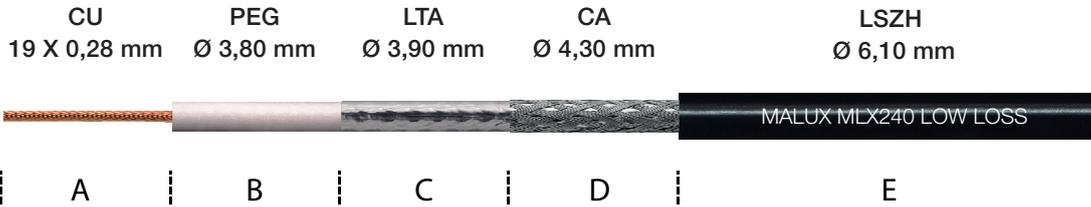
# MLX 240

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

Class CPR ECA



Certified: EN45545-2 ECE-R118.03



## TECHNICAL DATA

A	INNER CONDUCTOR	Plain copper	Ø 1,4 mm
B	DIELECTRIC	Gas injected skin-foam-skin polyethylene	Ø 3,80 ± 0,10 mm
C	SHIELD	Aluminium + Polyester + Aluminium tape Coverage	h. 15 mm 100%
D	BRAID	Tinned copper Coverage	128 x 0,10 mm 77%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS Colour Printing ##METER## MALUX MLX240 HIGH PERFORMANCE LOW LOSS LSZH 50 OHM WEEK/YEAR	Ø 6,10 ± 0,10 mm Black - RAL 9004

### 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	23,3
Plastic	26,7
Total	51,8

## ELECTRICAL PROPERTIES AT +20°C

Impedance@200 MHz	Capacitance	Velocity ratio	Resistance		Tension
50 ± 1,5 Ohm	80 pF/m	84%	Inner conduct: 11,5 Ohm/Km	Braid: 16,2 Ohm/Km	Sheath spark testing: 4,5 kV

### ATTENUATIONS dB/100 m.

	dB	W
5 MHz	1,7	3536
10 MHz	2,5	2500
30 MHz	3,9	1443
50 MHz	5,3	1118
150 MHz	8,7	645
220 MHz	11,1	533
450 MHz	16,3	373

### MAX. POWER RATING W

	dB	W
600 MHz	18,8	323
800 MHz	21,7	280
900 MHz	23,4	264
1000 MHz	24,8	250
1500 MHz	30,8	204
1800 MHz	33,8	186
2000 MHz	35,9	177

	dB	W
2500 MHz	34,1	186
3000 MHz	36,7	177
5200 MHz	40,9	158
5800 MHz	45,5	144
6000 MHz	63,4	110
8000 MHz	67,6	104
10000 MHz	90,4	79

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	<3	3000 ÷ 4000	MHz	<23
450 ÷ 1000	MHz	<32	4000 ÷ 5800	MHz	<18
1000 ÷ 2000	MHz	<29	5800 ÷ 8000	MHz	<16
2000 ÷ 3000	MHz	<25	8000 ÷ 10000	MHz	<14

### SCREENING EFFECTIVENESS dB

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

\* Standards: RoHS compliant 3 \*\* Customize lengths and connectors on request. The producer reserves themselves to make modification on the item without any notice.