Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PL0003A
Part Number : MXLAB3LA1000

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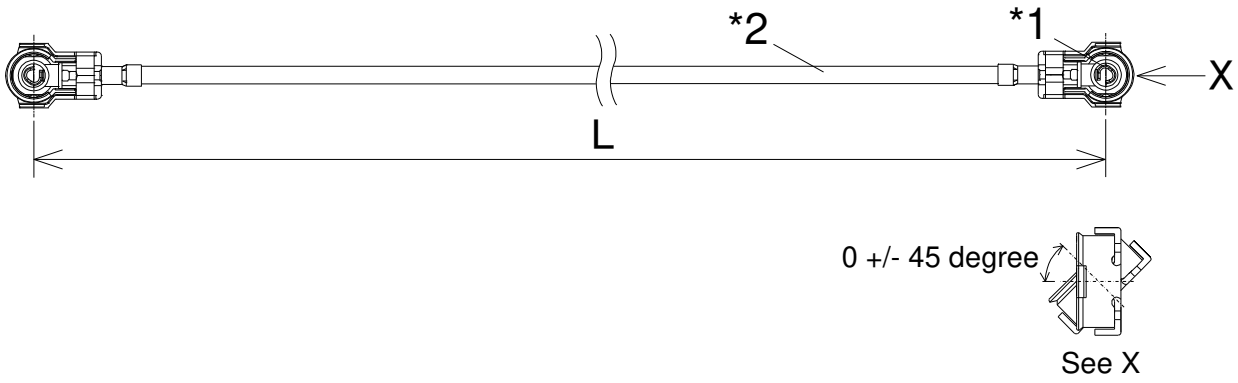
SPECIFICATION

1. MECHANICAL

A>



*1: Connector: LSC right angle plug connector
*2: Cable

Scale: Free
Tolerances Unless Otherwise Specified +/- 0.3
Unit: mm

L
100 +/- 3

2. CABLE :

Item		Specification
2.1	Voltage Rating	30V r.m.s. maximum
2.2	Nominal Frequency Range	DC to 6 GHz
2.3	Nominal Impedance	50Ω
2.4	Temperature Rating	-40°C to +85°C
2.5	Used Cable	0.2D Single shield PFA cable

Item		Unit	Construction
Inner conductor	Material	-	Silver plated copper alloy wire
	No. and Dia.	(No./mm)	7/0.03
	Total Dia.	(mm)	0.09
Insulator	Material	-	PFA
	Total Dia.	(mm)	0.24
Outer conductor	Material	-	Silver plated copper alloy wire
	Dia. of wire	(mm)	0.03
Sheath	Material	-	PFA(Black)
	Nominal thickness.	(mm)	0.05
Overall Dia.		(mm)	0.49
Minimum Bending Radius		(mm)	2.0
Nominal Insertion loss	dB/m at 1GHz		5.10
	dB/m at 2GHz		7.08
	dB/m at 3GHz		8.54
	dB/m at 4GHz		9.79
	dB/m at 6GHz		11.88

3. NOTE

A> Use tool part# M19608.
The connector to be engaged and disengaged should be inserted or pulled out to the vertical direction.

4. ⚠CAUTION

Limitation of Applications

Please do not use our products for the applications listed below which require specially high reliability for the prevention of defects which may directly or indirectly cause damage to the third party's life, body or property.

(1) Aircraft equipment
(2) Aerospace equipment
(3) Undersea equipment
(4) Power plant control equipment
(5) Medical equipment
(6) Transportation equipment (vehicles, trains, ships, etc.)
(7) Traffic signal equipment
(8) Disaster prevention / crime prevention equipment
(9) Data-processing equipment
(10) Application of similar complexity and/or reliability requirements to the applications listed in the above.