



Part Number : [1000631100](#)
Product Description : MLX 100 Coaxial Cable,
Double Shield, Low Loss, 25 AWG
Series Number : 100063
Status : Active
Product Category : Coaxial Cable

Documents and Resources

Drawings

[1000631100_sd.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	Not Reviewed per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Not Reviewed per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Not Reviewed per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

Part Details

General

Status	Active
Category	Coaxial Cable
Series	100063
Description	MLX 100 Coaxial Cable, Double Shield, Low Loss, 25 AWG
Product Name	MLX Coaxial Cable
UPC	198282536925

Electrical

Dielectric Constant	2.30
Impedance	50Ω
Inner Conductor DC Resistance	81 Ohms/1000 ft
Max Cut Off Frequency	90 GHz
Nominal Capacitance	30.8 pF/ft
Nominal Inductance	.077 uH/ft
Outer Conductor DC Resistance	9.5 Ohms/1000 ft
Shielding Effectiveness	90 dB
Velocity of Propagation	66%

Physical

Color - Cable Jacket	Black
First Shield	Aluminum Tape
Flat Plate Crush	10 lbs/in
Insulation	Solid Polyethylene
Material - Outer Jacket	PVC
Minimum Dynamic Bend Radius	1.00" (25.40mm)
Minimum Static Bend Radius	.25" (6.35mm)
Net Weight	4.090/g
Outer Diameter	.110" (2.79mm)
Second Shield	Tinned Copper Braid

Signal Conductor	Solid Copper Clad Steel
Signal Conductor AWG	25
Temperature Range - Operating	-40° to +85°C
Temperature Range - Storage	-70° to +85°C
Tensile Strength	15 lbs
Weight	.009 lbs/ft

This document was generated on May 26, 2026