



Part Number : [1000631500](#)
Product Description : MLX 500 Coaxial Cable,
Double Shield, Low Loss, 7 AWG
Series Number : 100063
Status : Active
Product Category : Coaxial Cable

Documents and Resources

Drawings
[1000631500_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 500 Coaxial Cable, Double Shield, Low Loss, 7 AWG
Product Name	MLX Coaxial Cable
UPC	198282536918

Electrical

Dielectric Constant	1.35
Impedance	50Ω
Inner Conductor DC Resistance	.82 Ohms/1000 ft
Max Cut Off Frequency	13.4 GHz
Nominal Capacitance	23.6 pF/ft
Nominal Inductance	.059 uH/ft
Outer Conductor DC Resistance	1.27 Ohms/1000 ft
Shielding Effectiveness	90 dB
Velocity of Propagation	85%

Physical

Color - Cable Jacket	Black
First Shield	Aluminum Tape
Flat Plate Crush	50 lbs/in
Insulation	Foam Polyethylene
Material - Outer Jacket	Polyehtylene
Minimum Dynamic Bend Radius	5.00" (127.00mm)
Minimum Static Bend Radius	1.25" (31.75mm)
Net Weight	47.730/g
Outer Diameter	.500" (12.70mm)
Second Shield	Tinned Copper Braid

Signal Conductor	Solid Copper Clad Aluminum
Signal Conductor AWG	7
Temperature Range - Operating	-40° to +85°C
Temperature Range - Storage	-70° to +85°C
Tensile Strength	280 lbs
Weight	.105 lbs/ft

This document was generated on May 31, 2026