



Part Number : [1000631400](#)
Product Description : MLX 400 Coaxial Cable,
Double Shield, Low Loss, 10 AWG
Series Number : 100063
Status : Active
Product Category : Coaxial Cable

Documents and Resources

Drawings

[1000631400_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)6375-DC (05 Nov 2025)
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 400 Coaxial Cable, Double Shield, Low Loss, 10 AWG
Product Name	MLX Coaxial Cable
UPC	198282536291

Electrical

Dielectric Constant	1.38
Impedance	50Ω
Inner Conductor DC Resistance	1.39 Ohms/1000 ft
Max Cut Off Frequency	16.2 GHz
Nominal Capacitance	23.9 pF/ft
Nominal Inductance	.06 uH/ft
Outer Conductor DC Resistance	1.65 Ohms/1000 ft
Shielding Effectiveness	90 dB
Velocity of Propagation	85%

Physical

Color - Cable Jacket	Black
First Shield	Aluminum Tape
Flat Plate Crush	40 lbs/in
Insulation	Foam Polyethylene
Material - Outer Jacket	Polyethylene
Minimum Dynamic Bend Radius	4.00" (101.60mm)
Minimum Static Bend Radius	1.00" (25.40mm)
Net Weight	30.450/g
Outer Diameter	.405" (10.28mm)
Second Shield	Tinned Copper Braid

Signal Conductor	Solid Copper Clad Aluminum
Signal Conductor AWG	10
Temperature Range - Operating	-40° to +85°C
Temperature Range - Storage	-70° to +85°C
Tensile Strength	160 lbs
Weight	.067 lbs/ft