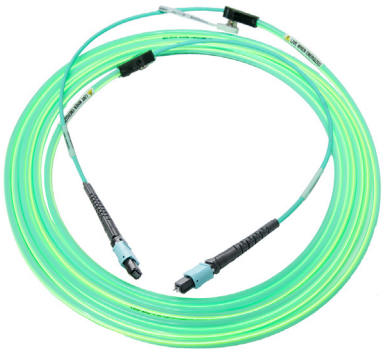
DATASHEET

LumaLink MPO Optical Trace Cable Assembly ›

Molex LumaLink Optical Trace Cable Assembly is designed to facilitate advanced cable management by providing 100% visual identification of start and endpoints, slack storage locations and routing.



Combining optical cables and an electroluminescent wire, LumaLink enables cable illumination through use of a magnetic power connection. Illumination of the full cable, from origin to endpoint, makes identifying and tracing specific cables easily.

High density MTP connectors connect the 12F optical cable. A push pull housing provides quick and reliable connections.

FEATURES AND ADVANTAGES

- MTP 12F assembly
- 100% tested
- End-to-end 100% visual identification
- Magnetic power connection
- Supports high density applications
- PVC and LS0H jacket optional

SPECIFICATIONS

Commercial Standards

TIA-568.3-D,ISO11801,EN50173
TIA- 492,IEC-794,IEC 60332-1(LS0H Sheath)
UL-1666(PVC sheath)

Mechanical

Cable O.D: 4.62mm
Operating Temperature: 0° to +60°C
Inner Jacket: Aqua LS0H
Outer Jacket: PVC or LS0H

Wire Inverter With Male Magnetic Connector:
Power supply: 2x AA Batteries (not provided)
Battery Life: 3-5 hours in operation
Operation Modes: Solid, slow flash, fast flash

Tensile Force: Short Term 450N/ Long Term 150N
Bending Radius: Long Term 10 X O.D; Short Term 20 X O.D

Optical Characteristics:

Connector:

Maximum Insertion Loss:
Multimode Standard Loss: 0.6dB
Multimode Low Loss: 0.35dB
OS1/2 Standard Loss: 0.75dB
OS1/2 Low Loss: 0.35 dB

Return Loss:
OS1/2: >60dB
Multimode :>20dB

Polishing:
OS1/OS2: APC
Multimode: PC

Fiber Attenuation:
Multimode OM3, OM4:
3.5dB@850nm/
1.5dB@1300nm
Multimode OM5:
3.0dB@850nm
2.3dB@953nm
1.5dB@1300nm
Singlemode OS1/2:
0.38 @1300nm
0.22 @ 1550nm

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Order No. 91-LAABB-YLLLC SK/2023.06

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ORDER INFORMATION

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Family Name

Fiber Count & Jacket:
22 = 12 MTP-MTP LS0H
27 = 12 MTP-MTP OFNR

Polarity:
22 = A, Female to Female
44 = B, Female to Female
33 = C, Female to Female
55 = A, Male to Male
66 = B, Male to Male
77 = C, Male to Male
88 = A, Female to Male
99 = B, Female to Male
00 = C, Female to Male

Fiber Type:
4 = OS1/2 9/125µm
4L = OS1/2 9/125µm Low Loss
6E = OM3 50/125µm
6L = OM3 50/125µm Low Loss
8E= OM4 50/125µm
8L = OM4 50/125µm Low Loss
9E= OM5 50/125µm
9L = OM5 50/125µm Low Loss

Length in meter 1-30m
001 = 1 meter
00A = 0.5 meter
00B = 1.5 meter
00C = 2.5 meter
00D = 3.5 meter
00E = 4.5 meter

Color
0=Default
OM1 MM = Orange
OM2 MM = Gray
OM3 MM = Aqua
OM4 MM = Aqua
OM5 MM = Lime Green

Order No.	SAP No.	Description
AFR-00557	180970215	Wire Inverter With Male Magnetic Connector

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