

# 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 MPO connectors connect the 12F optical cable. A push pull housing provides quick and reliable connections.



## FEATURES AND ADVANTAGES

MPO 12F assembly

100% tested

End-to-end 100% visual identification

Magnetic power connection

Supports high density applications

## SPECIFICATIONS

### Reference information

#### Commercial Standards

TIA-568C.3  
ISO11801  
EN50173  
TIA- 492  
TIA-568-3.D  
IEC-794  
IEC 60332-1  
UL-1666

#### Mechanical

**Fiber Type:** OM4  
**Max. Connector IL:** 0.5dB

#### Fiber Insertion Loss:

3.0 dB/km MAX@850nm  
1.0 dB/km MAX@1300nm

#### Max. Return Loss @850nm: -20dB

#### Cable O.D: 4.62mm

#### Operating Temperature: 0° to +60°C

#### Inner Jacket: Aqua 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

#### Warranty

Please refer to our website at <https://www.molex.com/About-Us/Our-Warranty.html> for terms and conditions of any resulting warranty.

[www.molex.com/product/lumalink-mpo-optical-trace-cable-assembly/](http://www.molex.com/product/lumalink-mpo-optical-trace-cable-assembly/)

# LumaLink MPO Optical Trace Cable Assembly

When ordering, replace “XXX” with the required length in meters.

Order No.	SAP No.	Description
Z91-000133-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A female to female OM4 50/125m - XXXmts
Z91-000131-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B female to female OM4 50/125m - XXXmts
Z91-000132-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C female to female OM4 50/125m - XXXmts
Z91-000136-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A male to female OM4 50/125m - XXXmts
Z91-000134-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B male to female OM4 50/125m - XXXmts
Z91-000135-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C male to female OM4 50/125m - XXXmts
Z91-000139-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A male to male OM4 50/125m - XXXmts
Z91-000137-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B male to male OM4 50/125m - XXXmts
Z91-000138-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C male to male OM4 50/125m - XXXmts
ZKIT-000005	Consult Molex	Wire Inverter With Male Magnetic Connector



**Technology, Innovation and Solutions**

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[www.molex.com/product/lumalink-mpo-optical-trace-cable-assembly/](http://www.molex.com/product/lumalink-mpo-optical-trace-cable-assembly/)