



Custom Fiber Optic & Electronic Cable Assemblies

## Multimode MPO/MTP Assemblies and MPO/MTP -LC Hybrids

Litra multimode MPO/MTP assemblies are manufactured to the highest industry standards using high quality components (fiber and connectors) that provide our customers with the confidence of superior network performance and reliability. Various configurations are offered including MPO/MTP trunks and jumper cables and MPO/LC hybrid assemblies.

Applications include trunking connections between fiber panels and direct connections between fiber optic transceivers. Litra produces a wide range of multifiber assemblies with fiber counts from 12 to 144 using industry standard cables:

- Riser
- Plenum
- LSZH
- Armored

and for hybrid assemblies we offer industry standard connectors:

- SC
- LC

Litra offers multimode assemblies using laser optimized OM3 and OM4 fibers. We closely monitor the fiber industry and will offer newly developed fiber cables (OM5) as they become industry accepted.

Litra employees combined bring more than 300 years of fiber optic manufacturing experience to the industry. We are dedicated to providing reliable, high-quality, high-performance fiber assemblies.

Within high speed data networks, insertion loss plays a dominant role in determining link distance and bit rate availability. Litra's low-loss MPO assemblies allow network designers to optimize the fiber reach for optimal network configurations. For further information see our **Application Guide for MPO assemblies in Data Links**.



	Multimode MPO	Multimode LC/SC
<b>Insertion Loss (dB)</b>	0.4 Max, 0.15 Typ.	0.30 Max, 0.15 Typ.
<b>Return Loss (dB)</b>	20 Max, 35 Typ.	25 Max, 35 Typ.
<b>Durability</b>	50 Matings	500 Matings
<b>Repeatability (dB)</b>	0.20	0.20

Governing standards: Telecordia GR-326, ANSI/TIA-568-C.3, ISO/IEC11801 and IEC-61754-7

## Part Number Guide: MPO-ABBBCDEFGHIJK-XXXY

### A Fiber Type

1: OM3  
2: OM4

### B Fiber Count

012 - 144

### C Cable Type

1: Micro-Distribution  
2: Armored

### D Jacket Type

R: Riser  
P: Plenum

### E Breakout Length (in)

1: 12  
2: 18  
3: 24  
4: 36  
5: Custom

### F Furcation LC/SC

1: 900um  
2: 2mm  
3: 3mm

### G Pulling Eye

1: One end  
2: both ends  
3: None

### H Put Up Required

C: Coil (standard)  
R: Reel

### I Connector End 1 (MPO)

1: 12  
2: 24

### J Connector End 2

1: MPO 12  
2: MPO24  
3: LC  
4: SC  
5: Custom  
0: Open

### K Polarity

A: Method A  
B: Method B  
C: Method C  
N: Not Applicable.

### XXX Length

000 – 999

### Y

F: Feet  
M: Meters

## Example: MPO-10121R321C13N075F

SM 12 fiber Micro-Distribution riser hybrid assembly, MPO/LC, 18" breakout with 2.0 mm furcation pulling eye on one end, 75 feet.

Litra is a major supplier of custom-made cable products offering a full line of fiber optic, coaxial and twisted pair assemblies suitable for high speed data, voice, LAN, WAN and switching applications. Since 1989 we have served the telecommunications and electronic markets with all styles of high performance interconnection cables.

**Call today to discuss your multifiber cable assembly needs.  
Let us engineer a solution to your specific requirements.**



**PLUG  
& PLAY**



**VERIFIABLE QUALITY  
& PERFORMANCE  
TESTING**



**RAPID  
RESPONSE**



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**LITRAMFG.COM**

770-446-7050, 800-445-4617

sales@LitraMFG.com

6733-A Jones Mill Court, Norcross, GA 30092

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