

## AT&T CenterLine Fiber Optic MTP Assemblies

### MTP-LC Fiber Optic Harnesses

#### Description

MTP female to LC/UPC LS0H modular harnesses for plug & play panels	
Fiber type	Select a fiber from page B.6.
Cable type	12-fiber round cable
Cable jacket material	Flame retardant LS0H compound
Cable jacket diameter	3.0 mm nom.
Connector types	One MTP female and twelve LC/UPC

#### Standard & EU Directives Conformance

- Relevant sections of ANSI/TIA-568.3-D
- Relevant sections of ISO/IEC 11801
- Relevant sections of EN 50173
- Relevant sections of ANSI/TIA/EIA-604 (FOCIS)
- Relevant sections of IEC 60874
- Relevant sections of IEC 61753
- Relevant sections of IEC 61754
- IEC 60332-1 flame test
- IEC 60754 & IEC 61034
- EU Directive 2011/65/EU (RoHS-2)

#### Mechanical Properties

Short term bend radius	20xOD mm
Long term bend radius	10xOD mm
Operating temperature	-20 to +60C
Default jacket colors	MM OM1 & OM2: Orange MM OM3: Turquoise MM OM4: Purple SM: Yellow

#### Transmission Properties

##### Multimode Fibers - MTP Connectors

Connector Type	Connector IL (dB)	Connector RL (dB)
Standard Loss	0.50 max.	25 min. 30 Typical
Low-Loss	0.35 max.	25 min. 30 Typical
Super Low-Loss	0.25 max.	25 min. 30 Typical

##### Singlemode Fibers - MTP Connectors

Connector Type	Connector IL (dB)	Connector RL (dB)
Standard Loss	0.50 max.	50 min. 55 Typical
Low-Loss	0.35 max.	50 min. 55 Typical
Super Low-Loss	0.25 max.	50 min. 55 Typical

##### Multimode Fibers - LC Connectors

Connector Type	Connector IL (dB)	Connector RL (dB)
Standard Loss	0.30 max. 0.20 Typical	25 min. 30 Typical
Low-Loss	0.15 max. 0.10 Typical	25 min. 30 Typical
Super Low-Loss	0.10 max. 0.05 Typical	25 min. 30 Typical

##### Singlemode Fibers - LC UPC Connectors

Connector Type	Connector IL (dB)	Connector RL (dB)
Standard Loss	0.30 max. 0.20 Typical	50 min. 55 Typical
Low-Loss	0.15 max. 0.10 Typical	50 min. 55 Typical
Super Low-Loss	0.10 max. 0.07 Typical	50 min. 55 Typical

##### Singlemode Fibers - LC APC Connectors

Connector Type	Connector IL (dB)	Connector RL (dB)
Standard Loss	0.30 max. 0.20 Typical	55 min. 60 Typical
Low-Loss	0.15 max. 0.10 Typical	55 min. 60 Typical
Super Low-Loss	0.10 max. 0.07 Typical	55 min. 60 Typical

#### Ordering Information

FF: Fiber Type CC: Jacket Color

Description	MTP	LC	Fiber Count	Length m	Cable OD mm	Packaging	P/N
MTP Female to LC/UPC Plug & Play LS0H Harness	1	12	12	1	3.0	1/Bag	80SFFHA001N-CC61
MTP Female to LC/UPC Plug & Play LS0H Harness	1	12	12	3	3.0	1/Bag	80SFFHA003N-CC61
MTP Female to LC/UPC Plug & Play LS0H Harness	1	12	12	5	3.0	1/Bag	80SFFHA005N-CC61
MTP Female to LC/UPC Plug & Play LS0H Harness	1	12	12	10	3.0	1/Bag	80SFFHA010N-CC61

All connectors in the above examples are low-loss type.  
Additional combinations can be selected using the information on page C.4.

