

## AT&T CenterLine Fiber Optic MTP Assemblies

### MTP-ST Fiber Optic Harnesses

#### Description

|  |                                  |
|--|----------------------------------|
| MTP female to ST/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 ST/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<br>MM OM3: Turquoise<br>MM OM4: Purple<br>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 - ST 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 |

##### Singlemode Fibers - ST 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 |

##### Singlemode Fibers - ST 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 |

#### Ordering Information

FF: Fiber Type    CC: Jacket Color

| Description                                   | MTP | ST | Fiber Count | Length m | Cable OD mm | Packaging | P/N              |
|---|-----|----|-------------|----------|-------------|-----------|------------------|
| MTP Female to ST/UPC Plug & Play LS0H Harness | 1   | 12 | 12          | 1        | 3.0         | 1/Bag     | 80SFFHA001A-CC61 |
| MTP Female to ST/UPC Plug & Play LS0H Harness | 1   | 12 | 12          | 3        | 3.0         | 1/Bag     | 80SFFHA003A-CC61 |
| MTP Female to ST/UPC Plug & Play LS0H Harness | 1   | 12 | 12          | 5        | 3.0         | 1/Bag     | 80SFFHA005A-CC61 |
| MTP Female to ST/UPC Plug & Play LS0H Harness | 1   | 12 | 12          | 10       | 3.0         | 1/Bag     | 80SFFHA010A-CC61 |

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