

# 12 Fibers MM MTP-LC Fan-out | 1.8 mm

## Connector Specifications

| | |
|---|---|
| MTP Connector Compliance | IEC 61754-7, TIA 604-5, RoHS |
| LC Connector Compliance | IEC 61754-20, TIA 604-10-A, RoHS |
| Base-12 | 12 Fibers |
| Alignment Technology | Full ceramic ferrule (Zirconia $ZrO_2$) |
| Operating Temperature | -10°C to +70°C |
| Flammability | UL94 V-0 |
| Durability | < 0.1dB typical change for > 500 matings |

## Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Sub-unit Diameter: 1.8 mm
- Length tolerance is ± 50 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua; OM4: Violet

## Optical Performance

| | | |
|---|---|---|
| Insertion Loss | MTP: | ≤ 0.35 dB; avg: 0,10 dB |
| IEC 61300-3-4 Method B | LC: | ≤ 0.30 dB |
| Return Loss | MTP: | ≥ 20 dB |
| IEC61300-3-6 Method B | LC: | ≥ 35 dB |

## End-face Control Parameters

| | |
|---|---|
| Geometry Inspection | IEC 61755-3-1 |
| Visual Inspection | IEC 61300-3-35 |









Sample Coding

* X (Tube Length) is standard 500 mm. Please contact us for different tube length.

I - PC - 12 - MF - 318 - M4 - B - MTPEf - 06LCD - 005M

| Type | Type | Fiber Count | Cable Type | Diameter | Fiber Type | Polarization | 1. Connector | 2. Connector | Length |
|---|---|---|---|---|---|---|---|---|---|
| Indoor: I | Patch Cord: PC | 12 Fibers: 12 | MTP/Fan-out: MF | 3.0/1.8 mm: 318 | MM G.651 OM3: M3<br>MM G.651 OM4: M4 | A Polarization: A<br>B Polarization: B | MTP-Female: MTPEf<br>MTP-Male: MTPEm | LC-UPC: 06LCD | ___ M |