

FIBRE OPTIC PIGTAILS

Multimode



OM3 Pigtail



OM1 Pigtail



OM4 Pigtail

Multimode optical fibre is suitable for communication over short distances; such as in an office building or school. Multimode fibre equipment is cheaper than singlemode, and due to its high capacity and reliability, multimode fibre is ideal for backbone applications.

MM Pigtail Features:

- Connector options: E2000, FC, LC, MTRJ, SC, ST and APC types
- Choice of fibre colour and length
- Each pigtail supplied with test certificate and optical results



Singlemode



OS1 Pigtail

Singlemode optical fibre is characterised by its narrow modal dispersion (8.3 to 10 micron diameter); better retaining fidelity of light pulses and exhibiting higher bandwidth than multimode. As a result, singlemode fibre is ideal for long distance applications.

SM Pigtail Features:

- Connector options: E2000, FC, LC, MTRJ, SC, ST and APC types
- Choice of fibre colour and length
- Each pigtail supplied with test certificate and optical

| Multimode Specifications | |
|--------------------------|-------------------------------------|
| Insertion | Typical 0.2 dB (PC / UPC) 0.3dB Max |
| Return Loss | N/A |
| Max.Tensile Load | 100N/cm |
| Apex Offset | ≤50 um, ≤100 um |
| Fire Performance | LSZH for outdoor/indoor |
| Attenuation | 850/1300 = 2.8/0.8 |
| Fibre Spherical Height | -90 nm, +50 nm |
| Operating Temp. | -40°C to +80°C |
| Curve Radius | 10 to 25mm, 5 to 15mm |

| Singlemode Specifications | |
|---------------------------|-------------------------------------|
| Insertion | Typical 0.2 dB (PC / UPC) Max 0.3dB |
| Return Loss | Typical 50 dB max 60 dB (APC) |
| Max.Tensile Load | 100N/cm |
| Apex Offset | ≤50 um, ≤100 um |
| Fire Performance | LSZH for outdoor/indoor |
| Attenuation | 1300/1550 = 0.38/0.24 |
| Fibre Spherical Height | -90 nm, +50 nm |
| Operating Temp. | -40°C to +80°C |
| Curve Radius | 10 to 25mm, 5 to 15mm |