

## 9/125 (OS1/OS2) Optical Fibre Pigtails

V.3.0

### Description

FibreFab singlemode pigtails are used in telecom, datacom networks and also used for high speed metropolitan and access network. The singlemode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The singlemode pigtails are terminated with standard FibreFab connector which gives optimum optical performance.

### Features / Benefits

- ▶ SC, LC, ST, FC and E2000 connectors
- ▶ PC and APC connectors
- ▶ Low smoke zero halogen (LSZH) buffer
- ▶ 900µm tight buffer or easy strip
- ▶ OS1/OS2 fibre conforms to ITU-G652.D, TIA/EIA 492 CAAA
- ▶ OS1/OS2 bend insensitive conforms to ITU-G657.A
- ▶ Different connector performance range for specific application
- ▶ Available in standard white colour buffer and also in standard 12 colours as per IEC 60304
- ▶ Available in standard and blister packing

### Applications

- ▶ Telecom and datacom application
- ▶ Patch panels, wall boxes, ODFs and splice cassettes
- ▶ Easy strip pigtails for on site installation
- ▶ Supports high speed multi channel video, data and voice services in metropolitan and access networks
- ▶ ATM, SONET and WDM



### Connector Specification

| OPTICAL PERFORMANCE  | SINGLEMODE | CONFORMANCE    |
|----------------------|------------|----------------|
| Insertion loss (Typ) | 0.25 dB    | IEC 61300-3-4  |
| Ave/Master*          | 0.18 dB    | IEC 61300-3-4  |
| Ave/Random*          | 0.18 dB    | IEC 61300-3-34 |
| Return Loss          | 50/60 dB   | IEC 61300-3-6  |

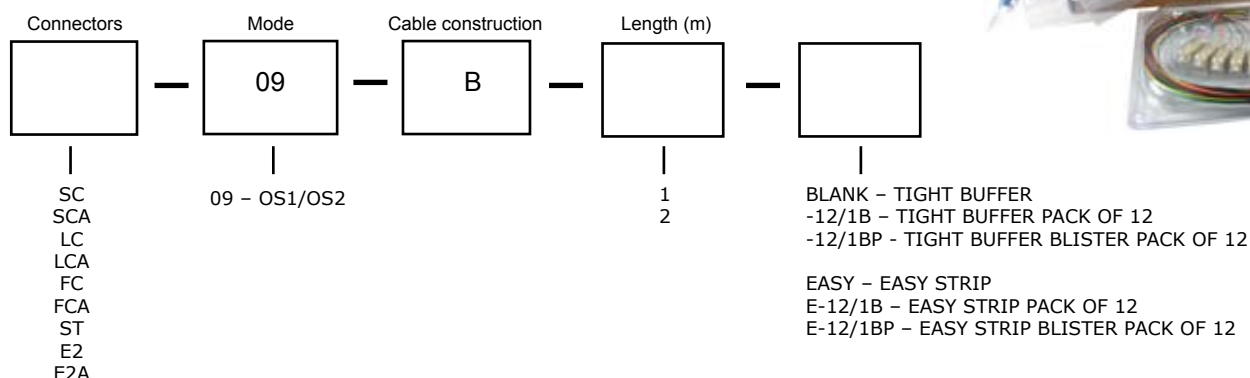
### Cable Specification

| CHARACTERISTICS         | UNITS   | SIMPLEX   |
|-------------------------|---------|-----------|
| Crush                   | N/100mm | 500       |
| Operating Temperature   | °C      | -20 to 60 |
| Nominal buffer Diameter | µm      | 900+50    |
| Max Tensile Load        | N       | 6         |

### Fibre Specification

| CHARACTERISTICS                       |                               |
|---------------------------------------|-------------------------------|
| Attenuation (dB)                      | 0.38 @ 1310nm / 0.25 @ 1550nm |
| Chromatic Dispersion (ps/nm x km)     | 3.0 @ 1310nm / 18.0 @ 1550nm  |
| Polarization Mode Dispersion (ps/√km) | ≤ 0.2                         |

### Part Number Generator



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