

### 9/125 (Singlemode) Optical Fibre Pigtails

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

#### Features / Benefits

- > SC, LC, ST, FC and E2000 connectors
- > UPC and APC interface
- > Low smoke zero halogen (LSZH) secondary buffer
- > 900µm tight buffer or easy strip
- > ITU G.652.D, TIA/EIA 492 CAAB
- > Bend insensitive ITU G.657.A1 or ITU G.657.A2
- > Available in standard white colour buffer and also in standard 12 colour sets as per IEC 60304
- > Available in standard individual sealed bags or blister packing

#### Applications

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



#### Connector Specification

OPTICAL PERFORMANCE	SINGLEMODE	CONFORMANCE
IL Max/Master (Acceptance)	≤ 0.30 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
RL Min	≤ 50dB (UPC) ≥ 60dB (APC)	IEC661300-3-6

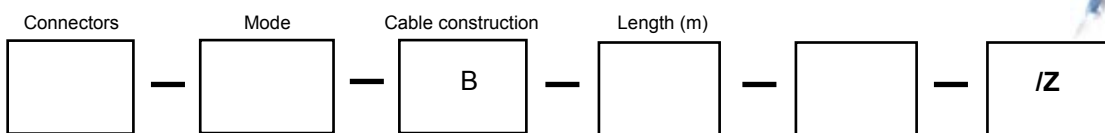
#### Cable Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	°C	-40 to +70
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

#### Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	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



- |  |  |                         |                             |   |
|--|--|-------------------------|-----------------------------|---|
| Connectors<br>SC<br>SCA<br>LC<br>LCA<br>FC<br>FCA<br>ST<br>E2<br>E2A | Mode<br>09 - G.652.D (OS1/2)<br>A1 - G.657.A1<br>A2 - G.657.A2 | Cable construction<br>B | Length (m)<br>1<br>1.5<br>2 | BLANK - TIGHT BUFFER<br>-12/1B - TIGHT BUFFER PACK OF 12<br>-12/1BP - TIGHT BUFFER BLISTER PACK OF 12<br><br>EASY - EASY STRIP<br>E-12/1B - EASY STRIP PACK OF 12<br>E-12/1BP - EASY STRIP BLISTER PACK OF 12 |
|--|--|-------------------------|-----------------------------|---|

Example: **SCA09B2EASY/Z** (SC APC G.652.D 2 metre easy strip)

