

9/125 (OS1/OS2) Optical Fiber Pigtails

V.3.1

Description

FiberFab 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 FiberFab connector which gives optimum optical performance.

Features / Benefits

- ▶ SC, LC, ST, FC and E2000 connectors
- ▶ UPC and APC connectors
- ▶ Low smoke zero halogen (LSZH) buffer
- ▶ 900µm tight buffer or easy strip structure
- ▶ OS1/OS2 Fiber 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
IL Max/Master (Acceptance)	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

Fiber 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

