DATACOM
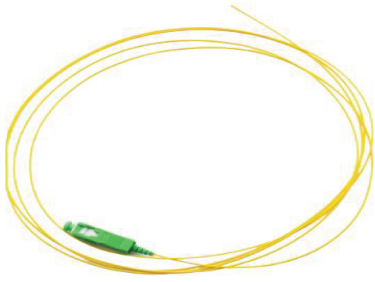
FIBER OPTIC PIGTAILS

DESCRIPTION

Datacom pre-terminated fibre optics pigtails support fusion splice field termination applications. Datacom offers pigtails in Single Mode OS2 fibre and Multi mode OM3 and OM3 fibre types. Pigtail meets the requirement of ANSI/TIA 568.D-2 compliance. End Connectors are also FOCIS compliant. Pigtails are 900 micro tight buffered and one end is factory terminated and another end as not connectorized.

Single Mode pigtails are ITUG-T.657A2 graded fibre types and are available with APC and UPC connectors. In multimode datacom has UPC SC or LC type connectorized pigtails. Standard lengths are 1, 1.5 and 2 Meters

APPLICATION

- FTTH, LAN, PON & Optical CATV.
- Optical fiber communication system
- Telecoms, Datacenters, CATV LAN & WAN
- LAN, PON & Optical CATV, Local ring net
- Optical fiber test equipment
- Optical fiber sensor
- Industry and military application

FEATURES

- Low insertion loss
- High return loss
- Excellent Repeatability, exchangeability, wearability and stability.
- Environmentally Stable

STANDARDS COMPLIANCE

- ISO/IEC 11801, TIA/EIA-568-C.3,
- TIA-604-3 (FOCIS-3), TIA-604-10 (FOCIS-10)
- EN50173-1
- ITU-T G652.D OS2
- ITU-T G657 A2

FIBER OPTIC PIGTAILS

PHYSICAL CHARACTERISTICS

Range of Mode	Single Mode,Multi Mode
Connector type	SC/APC, LC/APC (SM) , SC/UPC & LC/UPC (SM & MM)
Polish or Ferrule Interface Type	APC / UPC
Cable Diameter	0.9mm
Outer Jacket	PVC
Buffer Colour	Yellow / Aqua

PERFORMANCE CHARACTERISTICS

Insertion Loss	Against reference≤ 0.10dB(UPC), ≤ 0.25dB(APC)
Fiber Extension	(-)0.05μm<H<0.05μm
2.5mm Ferrule End-Face Radius (SC/UPC)	10<R<15mm
1.25mm Ferrule End-Face Radius (LC/UPC)	7<R<15mm
Apex Offset	0 to 40μm
Increase in insertion loss after 500 mating	0.2dB Max
Buffer Colour	Yellow / Aqua
Operating Temperature	-25° to 70°
Storage Temperature	-25° to 70°

ORDERING INFORMATION

Description	Part No.
Datacom Single mode 09/125U Pigtail	**DC-PT-xx-09-yy**
Datacom Multi mode 50/125U Pigtail	**DC-PT-xx-50-yy-AA**

*xx = Connector Type, Value (SA= SC/APC, LA= LC/APC, SC=SC/UPC ,LC=LC/UPC)

**yy=Length (1Mtr, 1.5Mtr, ,2Mtr)
**AA=Range of Mode(M3=OM3,M4=OM4).
**APC is only applicable for SM Pigtails.

XX = (LC, SC), YY=Length (1Mtr, 1.5Mtr, 2Mtr), AA= Category of Mul mode (OM3=M3,OM4=M4,OM5=M5)