

FIBER OPTICAL PIGTAILS**Fiber Optic Pigtail, 900um (0.9mm), 2mm or 3mm****General Description**

Fiber Optic Pigtails are basically used to splice the fiber in the cable so that they can be connected to the patch panel or equipment. It comprises of a fiber cable terminated with a connector at only one end while the other end will be used for the splicing to cable. Pigtails come in many variations for fibers, cables and connectors. For fiber, it can be Singlemode or Multimode (50um, 62.5um, OM3 etc.) type. As for cable, there are 900um buffered, 2mm and 3mm jacketed types. For connector, to name a few common ones are ST, SC, FC, LC, MTRJ, SMA, E2000 etc.

Quantum is able to offer the complete range of Fiber Optic Pigtails mentioned in this data sheet.

Pictures

Singlemode 0.9mm Buffer Pigtail



Multimode (62.5/125um) 0.9mm Buffer Pigtail



Multimode 3.00mm Jacket Pigtail

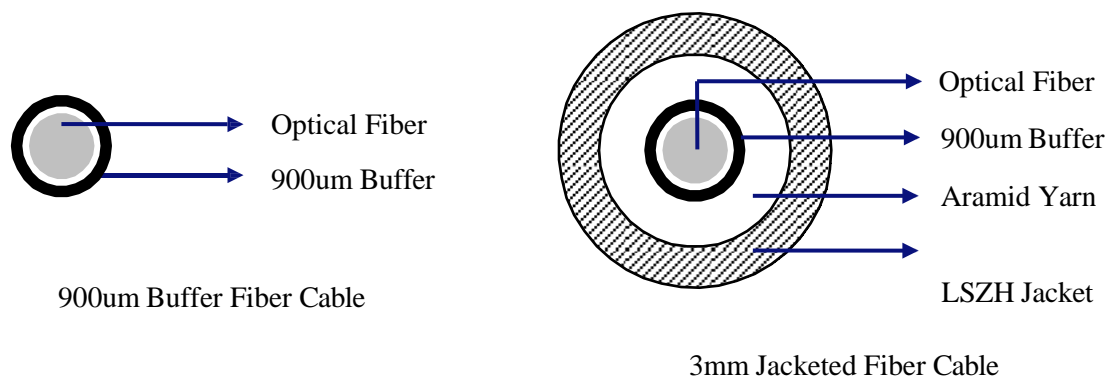


Singlemode 3.00mm Jacket Pigtail



OM3 Pigtail

Pigtail Cable Basic Construction



Optical Fiber

900um buffer – Singlemode (9/125um G.652D – Standard, G.655 or G.657A), or Multimode (50/125um or 62.5um) fibers. Refer to Fiber Properties & Specification Data Sheet for more detail.

Aramid Yarn (Applicable only for 2mm or 3mm jacketed cable)

Aramid yarn is laid over the cable core to serve as peripheral strength member.

Jacket (Applicable only for 2mm or 3mm jacketed cable)

LSZH jacket is extruded over the aramid yarn.

900um Buffer Colour

Yellow for Singlemode (9/125um G.652D – Standard, G.655 or G.657A), White for Multimode (50/125um), Orange for OM1 (62.5/125um) and Turquoise for OM3 (50/125um), Rose for OM4 (50/125um)

3mm Jacket Colour

Yellow for Singlemode (9/125um G.652D – Standard, G.655 or G.657A),
Orange for Multimode (50/125um OM2 & 62.5/125um OM1)
Turquoise for OM3 (50/125um OM3)
Rose for OM4 (50/125um OM4)

Applications

It is normally used within the wall or rack mounted patch panel where either they are mechanically, or fusion spliced to the multi-core cable.

Specifications

Fiber Diameter:	900um or 2mm or 3mm
Return Loss (SM only):	$\leq -50\text{dB}$ (UPC), $\leq -65\text{dB}$ (APC)
Insertion Loss:	$\leq 0.3\text{dB}$ max.
Durability (500 matings):	$\leq 0.2\text{dB}$ max increase
Operating Temperature:	-20 ~ +70 degree Celsius

TERMINATION ACCESSORIES

Safety Compliance

LSZH Grade

Halogen Content Test: IEC 60754-1
Acidity Test: IEC 60754-2
Smoke Emission Test: IEC 61034-1/2
Flammability Test: IEC60332-1 & -3C

Ordering Information

Product Part No. : AABBCC%%PT###Z	
Part No. Abbreviation	Description
AA	Indicate type of connector AA: ST – ST PC Connector E2 – E2000 PC Connector SC – SC PC Connector SCA – SC APC Connector FC – FC PC Connector FCA – FC APC Connector MT – MTRJ PC Connector LCA – LC APC Connector • MT: MTRJ Female E2A – E2000 APC Connector • MTM: MTRJ Male MU - MU PC Connector SA – SMA PC Connector LC – LC PC Connector
BB	Indicate buffered or jacketed fiber BB: 09 – 0.9mm buffer 20 – 2.0mm jacket 30 – 3.0mm jacket
CC%%	Indicate Fiber type of the pigtail MM50 – Multimode 50/125um (OM2) SM95 – Singlemode 9/125um (G.655) MM53 – Multimode 50/125um (OM3) SM97 – Singlemode 9/125um (G.657A) MM54 – Multimode 50/125um (OM4) MM62 – Multimode 62.5/125um (OM1) SM09 – Singlemode 9/125um (G.652D)
###	Indicate Length of the pigtail Eg. 001 / 010 – 1 meter / 10 meter
Z	Indicate the Jacket material (Applicable only to 3mm jacketed pigtail) Z – LSZH
REMARKS Product Part No. Example. : ST09MM50PT001 - ST Pigtail, Multimode(OM2), 900um buffer, 1M. SC30MM53PT001Z - SC Pigtail, Multimode(OM3), 3mm Jacket, LSZH, 1M. 1. Singlemode pigtail is not available for SMA connector. 2. APC style connector is available in both Singlemode and Multimode. 3. APC connector is not available for ST, MTRJ, MU and SMA types. 4. APC connector and boot are normally green in colour. 5. 2mm jacket for LC pigtail, 3mm jacket for SC, ST, FC, SMA & E2000 pigtail.	