

Simplex Fiber Optic Pigtails Datasheet

IDEAL FOR FIBER OPTIC CABLES SPLICING

Designed for CATV, FTTH/FTTX, telecommunication networks, premise installations, data processing networks, LAN/WAN network, and more.



Standard 900µm Buffered Fiber

Fiber optic pigtail is an important component commonly used in fiber optic networks. It has fiber connector at one end, and the other is utilised in terminating fiber optic cables via fusion or mechanical splicing. Feature a typical 900µm tight buffered as default, it is easy for fusion.

Standard Fiber Patch

- ISO9001 and RoHS Compliant
- ITU G.652.D, TIA/EIA 492CAAB

Features

- » Tested on optical performance insertion loss and return Loss
- » 0.9mm cable for high density splicing applications.
- » Tight buffer for easy fusion or mechanical splicing.
- » LC, ST, SC, FC and LSH are available.
- » UPC and APC polish type.
- » LSZH jacket as default, OFNP and PVC are optional..
- » Factory terminated and tested for insertion loss, return loss and end face.

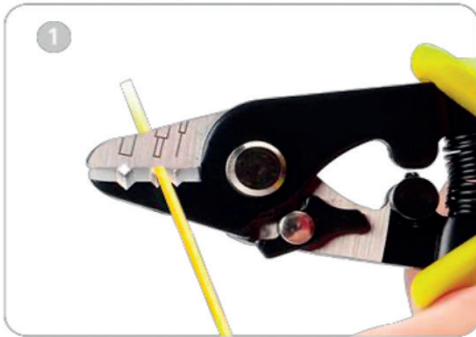
FIBER OPTIC PIGTAILS - TECHNICAL SPECIFICATION

Physical Characteristics	Description
Fiber Count	Simplex
Fiber Mode	Single Mode: OS2; Multimode: OM1/OM2/OM3/OM4
Connector Type	LC/SC/FC/ST/LSH
Fiber Grade	OS2: G.652.D; OM4/OM3/OM2: Bend Insensitive; OM1: G.651
Cable Jacket	PVC (Riser/OFNR)/LSZH/Plenum (OFNP)
Jacket Color	OS2: Yellow; OM3/OM4: Aqua; OM1/OM2: Orange
Cable Diameter (mm)	0.9/2.0
Minimum Bend Radius (mm)	Single Mode: 30/7,5/5; Multimode: 7.5/15

Optical Characteristics	Description
Insertion Loss (dB)	≤ 0.3
Return Loss (dB)	SMF: UPC \geq 50, APC \geq 60 (LC/SC/ST/FC) UPC \geq 55, APC \geq 75 (LSH) MMF: UPC \geq 30 (LC/SC/ST/FC/LSH)
Wavelength (nm)	PVC (Riser/OFNR)/LSZH/Plenum (OFNP)
Attenuation (dB/km)	SMF: ≤ 0.36 at 1310nm, ≤ 0.22 at 1550nm MMF: ≤ 3.0 at 850nm, ≤ 1.0 at 1300nm
Operating Temperature	S-40°C to 75°C
Storage Temperature	-45°C to 85°C

Strip Fiber Optic Pigtail

Before using the fiber, you should strip tight buffered fiber optic pigtail with tri-hole fiber stripper. If you do not remove all of the buffer coating, the fiber will not be able to be utilised in terminating fiber optic cables. The stripping steps are as follows. • ITU G.652.D, TIA/EIA 492CAAB



- Strip the 900µm buffer coating(With the second hole)



- Down to the 250µm coating(With the smallest hole)



- Strip the 250µm coating(With the smallest hole)



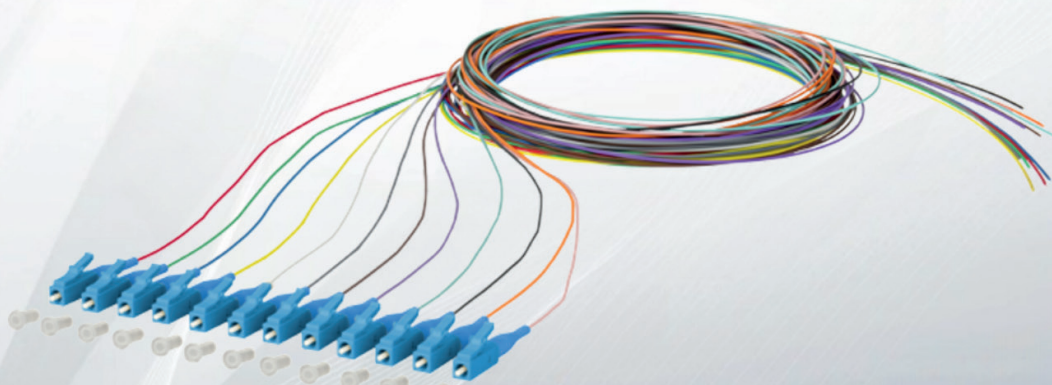
- Get the 125µm glass fiber

Note;

- It is recommended to heat the pigtail appropriately before you strip the 0.9mm buffer.
- Only a short length (1-2cm) of the pigtail is suggested to be stripped in one action.

12 FIBERS PIGTAILS DATASHEET

IDEAL FOR CATV, FTTH/FTTX, TELECOMMUNICATION NETWORKS, DATA PROCESSING NETWORKS, LAN/WAN NETWORKS.



Standard 900µm Buffered Fiber

Fiber optic pigtail is a tight buffered fiber cable with connectors pre-terminated on one end and exposed fiber on the other. The exposed end could be stripped and fusion spliced to a single or multi-fiber trunk. Bunch and color-coded types are available. And these pigtails feature a typical 900µm tight buffered as default. They are easy for fusing and protecting the tight buffers from damage.

Standard Fiber Patch

- ISO9001 and RoHS Compliant
- ITU G.652.D, TIA/EIA 492CAAB

Features

- » Tight buffer/Semi Tight Buffer for easy fusion or mechanical splicing
- » 0.9mm cable for high density splicing applications.
- » OS2/OM4/OM3 are for your choice
- » LC/SC/ST/FC connectors are available.
- » UPC and APC polish type.
- » Tested for insertion loss, return loss and end face..

12 FIBERS PIGTAILS DATASHEET

Physical Characteristics	Description	
Cable Type	Bunch	Color-coded
Fiber Count	12 Fibers	12 Fibers
Fiber Mode	OS2/OM3/OM4	OS2
Fiber Grade	OS2: G.657.A1; OM4/OM3: Bend Insensitive	G.657.A1
Connector Type	LC/SC/ST/FC	LC/SC/ST/FC
Polish Type	OS2: UPC/APC; OM3/OM4: UPC	UPC/APC
Fiber Diameter (mm)	0.9	0.9
Cable Jacket	LSZH	/
Breakout Length (m)	0.5 (Cable Length≥3m); 0.3 (Cable Length<3m)	/
Minimum Bend Radius (mm)	20/10D (Dynamic/Static)	30
Optical Characteristics	Description	
Insertion Loss (dB)	≤0.3	
Return Loss (dB)	SMF: UPC≥50, APC≥60; MMF: ≥30	
Wavelength (nm)	SMF: 1310/1550; MMF: 850/1300	
Attenuation (dB/km)	SMF: ≤0.36 at 1310nm, ≤0.22 at 1550nm MMF: ≤3.0 at 850nm, ≤1.0 at 1300nm	
Operating Temperature	-40°C to 75°C	
Storage Temperature	-45°C to 85°C	

Pigtails Product Code

Product Code	PRODUCT NAME
7LUSABLST-09MM-1,5	Pigtail - LC/UPC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7LASABLST-09MM-1,5	Pigtail - LC/APC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2USABLST-09MM-1,5	Pigtail - E2000/UPC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2ASABLST-09MM-1,5	Pigtail - E2000/APC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FUSABLST-09MM-1,5	Pigtail - FC/UPC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FASABLST-09MM-1,5	Pigtail - FC/APC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7TUSABLST-09MM-1,5	Pigtail - ST/UPC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7SUSABLST-09MM-1,5	Pigtail - SC/UPC G657 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7SU12CABLST-09MM-2	Pigtail - SC/UPC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7SA12CABLST-09MM-2	Pigtail - SC/APC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7LU12CABLST-09MM-2	Pigtail - LC/UPC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7LA12CABLST-09MM-2	Pigtail - LC/APC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7E2U12CABLST-09MM-2	Pigtail - E2000/UPC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7E2A12CABLST-09MM-2	Pigtail - E2000/APC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7FU12CABLST-09MM-2	Pigtail - FC/UPC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7FA12CABLST-09MM-2	Pigtail - FC/APC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7TU12CABLST-09MM-2	Pigtail - ST/UPC G657 12 Color LSZH - Semi Tight Buffer - 0,9mm - 2 meter
7SUSESLST-09MM-1,5	Pigtail - SC/UPC OM2 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7LUSESLST-09MM-1,5	Pigtail - LC/UPC OM2 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FUSESLST-09MM-1,5	Pigtail - FC/UPC OM2 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7TUSESLST-09MM-1,5	Pigtail - ST/UPC OM2 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2USESLST-09MM-1,5	Pigtail - E2000/UPC OM2 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7SUSKLST-09MM-1,5	Pigtail - SC/UPC 62,5um OM1 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7LUSKLST-09MM-1,5	Pigtail - LC/UPC 62,5um OM1 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7TUSKLST-09MM-1,5	Pigtail - ST/UPC 62,5um OM1 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FUSKLST-09MM-1,5	Pigtail - FC/UPC 62,5um OM1 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2USKLST-09MM-1,5	Pigtail - E2000/UPC 62,5um OM1 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7SUSBSLST-09MM-1,5	Pigtail - SC/UPC OM3 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7LUSBSLST-09MM-1,5	Pigtail - LC/UPC OM3 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7TUSBSLST-09MM-1,5	Pigtail - ST/UPC OM3 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FUSBSLST-09MM-1,5	Pigtail - FC/UPC OM3 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2USBSLST-09MM-1,5	Pigtail - E2000/UPC OM3 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7SUSCLST-09MM-1,5	Pigtail - SC/UPC OM4 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7LUSCLST-09MM-1,5	Pigtail - LC/UPC OM4 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7TUSCLST-09MM-1,5	Pigtail - ST/UPC OM4 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7FUSCLST-09MM-1,5	Pigtail - FC/UPC OM4 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter
7E2USCLST-09MM-1,5	Pigtail - E2000/UPC OM4 Simplex LSZH - Semi Tight Buffer - 0,9mm - 1,5 meter