

Pigtail Connector Specifications



AI Overview

Pigtail connectors are short cables with a pre-terminated connector on one end and a bare or stripped wire/fiber on the other, designed for reliable splicing or connection in electrical and fiber optic systems.

General Description A pigtail connector is a short length of wire, cable, or optical fiber with a factory-installed connector on one end and a bare or stripped end on the other. The bare end is intended for splicing, crimping, soldering, or fusion to another conductor or fiber in the field, simplifying installation and improving reliability compared to full on-site terminations.

Electrical Pigtail Specifications

- Length:** Typically 6–8 inches (15–20 cm) for standard wiring.
- Wire Type:** Stranded copper for flexibility.
- Insulation:** PVC or cross-linked polyethylene for electrical safety.
- Connector Types:** Spade, ring, or push-in terminals.
- Applications:** Connecting multiple wires to a single device terminal, automotive wiring, lighting fixtures, sensors, and switches.
- Voltage Rating:** Varies by wire gauge and insulation type; commonly rated for standard building or automotive voltages.
- Durability:** Designed to prevent pull-through, twisting, or stress on the wire, ensuring secure connections.

Fiber Optic Pigtail Specifications

- Connector Types:** LC, SC, ST, FC, and MPO, available in single-mode (OS2) and multimode (OM3/OM4).
- Fiber Diameter:** Commonly 900 μm tight-buffered for indoor applications.
- Insertion Loss:** Maximum 0.25 dB for both single-mode and multimode pigtails.
- Return Loss:** Greater than 50 dB for single-mode, greater than 26 dB for multimode; APC connectors have a minimum of 60 dB.
- Pull Force:** 5 N $\pm$ 0.5 N (1.12 lb) per IEC 61300-2-44.
- Connector Durability:** Greater than 500 matings for both multimode and single-mode.
- Packaging:** Individually labeled with fiber type, serial number, and QR code for traceability.
- Applications:** Fusion splicing in data centers, telecom networks, CATV, PON, WDM/DWDM, FTTh, and voice services.

Key Advantages

- Factory-Terminated Connector:** Ensures high-quality, reliable connections.
- Field Flexibility:** Only the splic...

Article Content

TECHNICAL DATA SHEET FOR OPTICAL FIBER PIGTAIL

6. Specifications ... Notes: 1. Specified without connectors. 2. Add an additional 0.15dB loss per connector. Page 3 of 5

Fiber Pigtails

OPTICAL FIBER COMPONENTS - PIGTAILS D-Link offers quality pigtails which are single ended with connectors. D-Link pigtails come with good end face geometry, full standard optical specifications,

Core Patch Cords and Pigtails Ordering Guide

Our patch cords and pigtails comply with industry optical and mechanical requirements and they're available in 1- and 2-fiber combinations for your convenience. Corning patch cords and pigtails are

Pigtails

Pigtails can be supplied in a variety of lengths, colors and with a variety of different connector types. The standard fiber type used is G657A1 for singlemode pigtails, but different fiber types and cable

Fiber Pigtails

CommScope engineers and manufactures a complete line of high quality fiber pigtails

Fiber Pigtail Kits

Pigtail kits shall be available with 900-micron tight buffer LSZH coating and 250-micron coated fiber. Pigtail kits shall be individually packaged with part numbers, descriptions, optical performance, and

Fiber Pigtail Kits

SPECIFICATION Multimode and single-mode pigtail kits shall be compliant with ANSI/TIA-568.3-E. Standard insertion loss shall be a maximum of 0.25 dB and low loss shall be a maximum of 0.15 dB

Premium Plus Fiber Pigtails and Pigtail Kits

Pigtails or pigtail kits shall be individually packaged with part numbers, descriptions, optical performance, code 39 barcode part number printed on each package, and QR code to access

Basic Fiber Optic Pigtail Kit, LSZH, 900 µm | Corning

Pigtails are used for non-permanent connections in patch panels, transmission equipment etc. Factory assembled pigtails allow for high quality termination of a

The Ultimate Guide to Pigtail Cable Assemblies and

Explore the ultimate guide to pigtail cable assemblies and connectors, covering types, applications, pricing, and available options for

FIBER OPTIC COMPONENTS – SM PIGTAILS KEY FEATUR

FIBER OPTIC COMPONENTS – SM PIGTAILS D-Link offers quality optical fiber pigtails which are single ended with connectors. D-Link pigtails come with good endface geometry, full standard optical

Comprehensive Guide to Fiber Optic Pigtails | Gezhi Photonics

Dive into the world of fiber optic pigtails, their types, applications, and splicing methods. Enhance your network's performance with Gezhi Photonics. Keywords: Fiber Optic Pigtails, Fiber

SPECIFICATIONS FOR PIGTAIL ASSEMBLIES

All pigtails 100% tested before shipping and labelled for gas service and pressure rating Pressure ratings limited by CGA connection standards–the lowest pressure rating prevails Notes: Burst pressure

Fiber Pigtails

We also provide a full set of customized services, such as fiber counts, length, connector, fiber grade, cable types and cable diameter etc. Fiber pigtails provide a fast way to make communication devices

Pigtail Connectors – Mouser

Pigtail Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Pigtail Connectors.

Core Patch Cords and Pigtails Ordering Guide

Ordering Information Corning patch cords and pigtails can be ordered in five easy steps. The steps involve the selection of connector(s), fiber count, fiber type, cable type, and length. The steps are

Pigtails Datasheet

Fiber optic pigtails are short lengths of optical fiber featuring a pre-terminated connector on one end and exposed fiber on the other for field termination. They provide low-loss integration between trunk

Premium Plus Fiber Pigtails and Pigtail Kits

Connector durability of greater than 500 matings for both multimode and single-mode. Pigtails or pigtail kits shall be individually packaged with part numbers, descriptions, optical performance, code 39

What Is a Pigtail Connector? Types and Applications | CZT

Pigtail connectors can be categorized by application, connector type, and conductor specifications. The table below provides a high-level comparison of the three main categories.

Optic Fiber Pigtails

Optic Fiber Pigtails Optic Fiber Pigtails D-Link offers quality optical fiber pigtails which are single ended with connectors. D-Link pigtails come with good end-face

Fiber Optic Pigtails | SC, LC, ST Single Mode & Multimode

High-quality fiber optic pigtails for terminating and splicing in any network environment. We stock a wide variety of pigtail fiber types, including single mode

Simplex Fiber Optic Pigtails Datasheet | FS

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

12 Fibers Pigtails Datasheet | FS

12 Fibers Pigtails 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

What is a Fiber Optic Pigtail, and What Is It Used For?

Connector type: The pigtail must have the same connector type as the optical components that it will be connecting. Other factors: Other factors to

Fiber Optic Pigtails

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

Singlemode Pigtails

Singlemode pigtails are used for the termination of optical cables via fusion or mechanical splicing. They consist of a high quality 900um LSZH cable terminated with an optimized connector for low insertion

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

This document is for informational purposes only. Specifications subject to change without notice.

