

Is APC a pigtail fiber



AI Overview

APC stands for Angled Physical Contact, a fiber connector polish type designed to minimize back reflection in optical networks.

What APC Means

In a fiber optic pigtail, APC refers to the polish style of the connector's end face, where the fiber tip is polished at an 8-degree angle rather than flat or slightly curved like PC or UPC connectors. This angled polish ensures that any reflected light is directed into the cladding rather than back into the core, significantly reducing return loss and improving signal quality.

Comparison with Other Connector Types

- PC (Physical Contact): Slightly curved end face, reduces air gaps, return loss around -40 dB.
- UPC (Ultra Physical Contact): More domed and tightly polished than PC, return loss around -50 dB, suitable for most digital and analog systems.
- APC (Angled Physical Contact): End face polished at an angle, return loss typically better than -60 dB, ideal for high-precision applications like FTTH, RF, and high-speed networks.

Role in Fiber Pigtails



Article Content

APC vs UPC vs PC Fiber Connector, What is the Difference?

Do you know the difference of APC vs UPC vs PC fiber connectors? This post compares them in very detail and

Fiber Optic Pigtails, SC, FC, ST, and LC Fiber Connectors

The SC Fiber Pigtails (APC, UPC) are available in both single and multimode versions. Our Fiber Pigtails come with a partial outer

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price

A fiber optic pigtail is a short cable with one factory-polished connector and one bare fiber end. The connector is

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

Discover the essentials of fiber optic pigtails, including types, uses, and installation procedures to ensure smooth

Fiber Patch Cord & Pigtail: Complete Selection Guide 2026 | OPELINK

Comprehensive guide to fiber patch cord and pigtail types, LC/SC/FC/MPO connectors, UPC vs APC polish, insertion

What is Fiber Pigtail? A Complete Guide for Beginners

A fiber pigtail is a fiber optic cable with pre-terminated fiber connector and exposed fiber.

Fiber Pigtails

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

Fiber Optic Pigtails

FIBER OPTIC PIGTAIL Worldwide delivery is available for all our high-quality Fiber Optic Pigtail solutions, ensuring your network

Fiber Optic Pigtail: What Is It and How to Classify It?

Fiber optic pigtail is a fiber optic cable terminated with a factory-installed connector on one end, leaving the other end

12 Fibers SC/APC Pigtail – Buyer Guide for Fiber

What Is a 12 Fibers SC/APC Pigtail? A 12 Fibers SC/APC Pigtail is a pre-terminated optical

SC/APC Singlemode Fiber Pigtail – Procurement Guide

The SC/APC Singlemode Fiber Pigtail is a critical component in any modern fiber optic network. Fiber Optic Pigtails, 12 Packs, ST, LC, SC-APC

Fiber Optic Splice On Pigtails We supply fiber optic pigtails, including the single mode and multimode types, These fiber pigtails are

12 Fibers SC/APC Pigtail – Buyer Guide for Fiber

In this buyer's guide, we will explore what makes a quality 12-fiber SC/APC pigtail, its

SC/APC Fiber Optic Pigtail — FTTH Splicing | TTI

SC/APC Fiber Optic Pigtail — FTTH Splicing, High Return Loss SC/APC single mode fiber optic pigtail with 8-degree angled polish

APC vs. UPC: What's the Difference?

The main difference between APC and UPC connectors is the fiber endface. Learn what that means here.

What Is a Fiber Pigtail? Types, Uses, Splicing and Selection Guide

Learn what a fiber optic pigtail is, how it differs from a patch cord, where it is used, and how to choose LC, SC, APC,

APC, UPC, PC Fiber Connector Types Comparison and Selection

APC connector is the most widely used fiber connector type today. “APC” stands for Angled Physical Connect. The

APC, UPC, PC Fiber Connector Types Comparison and Selection

APC, UPC, and PC connectors define different shapes of fiber connector end faces. Either of them is physical contact

Fiber Optic Pigtails Overview

Fiber pigtails include SC, SC/APC, ST, ST/APC, FC, FC/APC, LC, LC/APC, MT-RJ, MPO, MTP, E2000, E2000/APC,

Fiber Optic Pigtails: Uses & Differences from Patch Cords

Understand fiber optic pigtails — definition, types, and how they differ from patch cords. Learn why pigtails ensure

Fiber Pigtail Cable with E2000 APC Connector – Topfiberbox

E2000 pigtail is a cable with high-grade E2000 fiber optic connector on one end, another end unterminated. They can configure single

SC APC Singlemode Fiber Optic Pigtail, 900um Buffer — FiberTek Fiber

SC APC Singlemode fiber optic pigtail is comprised of single optical fiber terminated with an SC APC connector at one end while the

Fiber Optic Pigtails

SC Fiber Optic Pigtails We supply SC fiber optic pigtails, including the single mode and multimode types, these SC fiber pigtails are

Fiber Optic Pigtail: The Complete Guide to Types, Splicing Methods ...

Confused about fiber optic pigtails—which connector type, which polish, fusion or mechanical splice? Our guide covers

Clear Track Micro-Module 12-Fiber 150 ft, SC APC

80611622798 Clear Track Micro-Module 12-Fiber 150 ft, SC APC - Pigtail Typically ships in 14 day (s) Actual lead time confirmed

PC vs UPC vs APC Fiber Connectors - What is the Difference?

This article explains the differences between PC, UPC, and APC fiber connector polishes and their typical reflectance

SC/APC Fiber Optic Pigtail — FTTH Splicing | TTI

Engineered For Performance FTTH Industry Standard SC/APC is the dominant pigtail type for FTTH deployments worldwide, used at

Fiber Optic Pigtail

ST fiber pigtails connector ferrule interface can be PC, UPC or APC. ST Fiber Optic Pigtail FC Fiber Optic Pigtail FC fiber optic pigtail

Fiber Optic Pigtails

ShowMeCables offers a wide variety of fiber optic pigtails with LC, LC-UPC, SC, SC-UPC and ST connector types and in lengths of 1

Contact Us

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