

Is the connector for an optical power meter usually UPC or APC



Overview

UPC connectors are usually blue, while APC connectors are usually green. Installing a connector on a fiber optic end face inevitably results in return loss, if the optical signal loss is severe, it will seriously affect the reliability and stability of fiber optic transmission. In order to ensure better. As usual, the answer is, "It depends. UPC connectors are not exactly flat. The connector to the power meter generally doesn't matter as the female connector just holds the male Connector and points it at a sensor underneath, it doesn't actually mate with another connector within the power meter. This is why you aren't seeing any unexpected loss. What are the differences between APC, UPC, PC?

How to distinguish them?

How to choose between them?

This post will tell. Based on the convex face properties of the PC, the connector utilizes an extended polishing method to create a better surface finish on the fiber.

Article Content

May 13, 2026

optical splitters

Find optical splitters products, optical splitters suppliers from China, Ecer help you directly contact with optical splitters manufacturers.

Nov 02, 2025

APC vs UPC: What is the Difference Between APC and

What is UPC and APC in Fiber Optic? APC and UPC are common polish types in fiber optic connectors. Installing a connector on a fiber optic end

Apr 24, 2026

Jonard FPM-50A Fiber Optic Power Meter Kit,Includes FC to LC

The Jonard Tools Fiber Optic Power Meter is perfect for measuring both the absolute optical power and relative power loss in fiber optic cables. This power meter features the following:Measures a wide

Aug 29, 2025

APC, UPC, PC Fiber Connector Types Comparison and

Considering UPC connector cost lower than APC connector, it could be the best choice for the less sensitive applications as it offers almost equivalent

May 08, 2026

Understanding Fiber Optical Connectors: UPC vs. APC

When picking fiber optic cable, you are often faced with two options - UPC or APC connector. What is the difference between them? Why you need to understanding

Apr 26, 2026

SC/APC PON Optical Power Meter, 1310/1490/1550

Adapt with APC connector, SC Dedicated Interface, 150 HOURS standby. Inherent uncertainty $0.5\text{dB} \pm 1\text{nW}@1550\text{nm}$. Manufacturer NANJING ORIENTEK OPTICAL COMMUNICATION LTD.

Jan 31, 2026

Premium FC/APC Male LC/UPC Female For Optical Power Meter Adapter Connector

Fiber optic adapter adapter FC male to LC female single-mode for jumper pigtail male and female small square head flange conversion connector. #1: FC male to LC female single mode (long style). #4: FC

Oct 22, 2025

Amazon : Optical Power Meter

Add to cart Jonard Tools FPM-50A High Precision Fiber Optic Power Meter (-50 to +26 dBm) with FC/SC/LC Adapters for PC/UPC/APC Connectors with Included Carry Case - 2025 Model Add to

May 12, 2026

LC Fiber Connectors: Types, Applications & Installation

LC connectors provide reliable and high performance connectivity in fiber optic networks. The guide covers in depth their features, types, installation

Nov 07, 2025

APC vs UPC vs PC Fiber Connector, What is the

Do you know the difference of APC vs UPC vs PC fiber connectors? This post compares them in very detail and provides you with a complete guide.

Jan 19, 2026

APC vs UPC Connectors: Understanding the Differences

The main difference between APC and UPC connectors is the fiber endface. APC connectors feature a fiber endface that is polished at an eight-degree angle; UPC

Mar 20, 2026

APC Vs UPC: What's The Difference?

APC vs UPC are two polish types of fiber optic connectors, aqua and blue denote a straight-through or UPC polish, while green is an angled or APC

May 06, 2026

APC vs UPC: Key Differences, Use Cases, and How to Choose

APC connectors are best suited for environments where low reflection is critical, while UPC connectors are widely used in standard digital communication systems where moderate reflection is acceptable.

Nov 07, 2025

APC vs. UPC: What's the Difference?

Industry standards recommend that UPC connector return loss should be -50 dB or greater, while APC connector return loss should be -60 dB or

Jul 15, 2025

Understanding Fiber Connectors: UPC vs. APC

Understanding Fiber Connectors: UPC vs. APC Fiber optic cable typically follows an industry-standard color code: a yellow jacket denotes single mode, an aqua

Sep 04, 2025

APC vs. UPC: What's the Difference?

The main difference between APC and UPC connectors is the fiber endface. APC connectors feature a fiber endface that is polished at an eight

Mar 11, 2026

PON Types: GPON, XGS-PON, EPON — Architectures, Data Rates,

GPON, XGS-PON, EPON, 10G-EPON, NG-PON2: Comparative table of PON standards, OLT-splitter-ONU architecture, wavelengths, data rates and deployments in France (Orange, SFR, Bouygues).

Mar 16, 2026

Elfcam | Votre spécialiste en équipements fibre optique et réseau

✂ ELFCAM Product Spotlight #03 One Series. Multiple Connections. One Reliable Fiber Setup. In fiber optic installation, choosing the right cable is not only about length. ☐☐ Connector type ...

Nov 14, 2025

Specifying High-Density MPO/MTP® Patch Cords for 400G/800G

Comprehensive B2B guide for specifying MPO and MTP® patch cords. Learn about critical pinning rules, Type B polarity, Base-8 designs, and push-pull tabs.

Jul 05, 2025

UPC and APC Connector Differences: An In-Depth Review

Cables Unlimited addresses the key differences between the two major fiber optic cable connector types: UPC and APC. An in-depth review.

Nov 25, 2025

Rsrteq OTDR Fiber Optical Tester 1310/1550nm 28/26dB 5" Touch

Rsrteq OTDR Fiber Optical Tester 1310/1550nm 28/26dB 5" Touch Screen SM Fiber Tester Event Map RJ45 8GB TF Card PC-Sides Analysis Software Connector with UPC/SC FC LC ST

Aug 20, 2025

APC vs UPC: What is the Difference Between APC and

UPC connectors are usually blue, while APC connectors are usually green. The significant difference between UPC and APC connectors lies in the

May 23, 2026

Understanding Fiber Optical Connectors: UPC vs. APC

Now since we already know what UPC and APC stand for, let's look closer into the differences and why you should use UPC together with APC. Most obvious -

Aug 10, 2025

UPC or APC — Which One to Choose?

APC connectors feature a fiber endface that is polished at an eight-degree angle; UPC connectors are polished with no angle. UPC connectors are not exactly flat,

Aug 23, 2025

UPC/APC matter for a power meter? : r/FiberOptics

As already mentioned, the power meter end face is likely a sensor with no mating preference. You can use any. Most likely it uses UPC. Check with a microscope. If you use a connector for UPC you won't

Mar 06, 2026

Fiber Optics - Buying Guide & Supplier List | RP Photonics

APC connectors are usually color-coded green, while UPC are blue. Integration and Practical Constraints Cleanliness: Fiber end-faces are extremely sensitive to

Contact Us

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

Website: <https://piano-lessons.co.za>

Email: info@piano-lessons.co.za

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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

