

## Use a mix of UPC and APC pigtails



### Overview

Aqua and blue denote a straight through (or UPC) polish and green denotes an angled (or APC) polish. Generally speaking, best practice is to match the color of the connector to the color of the fiber. This guide covers everything: what fiber optic pigtails are, how they differ from patch cords, which connector and polish type to specify, how to choose between mechanical and fusion splicing, and the real-world applications where pigtails are the right call. Whether you're building out an ODF, Fiber optic cable typically follows an industry-standard color code: a yellow jacket denotes single mode, an aqua jacket denotes multimode OM3, an orange jacket denotes multimode OM2, etc. But what about the connectors?

What's the difference between blue connectors and green connectors?

After all. This guide explores the technical differences, applications, and performance characteristics of PC, UPC, and APC connectors, helping engineers, network designers, and technicians make informed decisions. The difference between them directly affects return loss, insertion loss stability,

and overall link performance. The transceivers simply present a receptacle designed to mate with a specific connector type, APC or UPC, or the lesser used PC. Available in singlemode and multimode (50/125 and 62. Standard length supplied is 2.

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You can view all of our fiber pigtails below or, if there is a specific fiber optic pigtail you need for your optical fiber network, you can filter through our different fiber optic pigtail categories using the menus ...



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Technical comparison of UPC and APC connectors including geometry, return loss, polishing angle, and application suitability.



Learn the key differences between APC vs UPC connectors, including performance, applications, and how to choose the right option for your fiber network.



Master UPC vs APC fiber connector polishing. Learn when to use each type, compatibility rules, and performance differences for optimal fiber optic connections.



Critical warning: APC and UPC connectors are physically incompatible —you should never mate an APC connector with a UPC counterpart. Doing so will damage the polished end-faces of ...



Prysmian offers an extensive range of optical pigtails for use in FTTx, telecommunications, data communications and CATV applications. All pigtails are fully qualified to Telcordia GR326 and ...



As stated before, UPC and APC connectors should not be mated together — they are not compatible. And even more importantly, UPC connectors should never be connected to APC ports and vice versa.



Master the art of fiber termination. Learn how to splice fiber optic pigtails using fusion splicing, follow the color code, and ensure low insertion loss.



Learn the key differences between APC and UPC fiber connectors—return loss, design, applications, and compatibility. Find out which polish type fits your network needs.



Pigtail kits shall be individually packaged with part numbers, descriptions, optical performance, and code 39 barcodes. Additionally, QR codes shall be provided to access supporting documentation.

## Contact Us

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

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