Traceable Patch Cords (TPC) Products

TPC Product Line

Amphenol Fiber Optic Products presents an innovative solution for fiber patching. The Traceable Fiber Patch Cord (TPC) product line is an effective solution for eliminating interconnect errors in dense interconnect environments. From the back of the equipment, to the front of dense frames, or cross room interconnect, the TPC product utilizes a positive light indication to identify the other side of the patch.
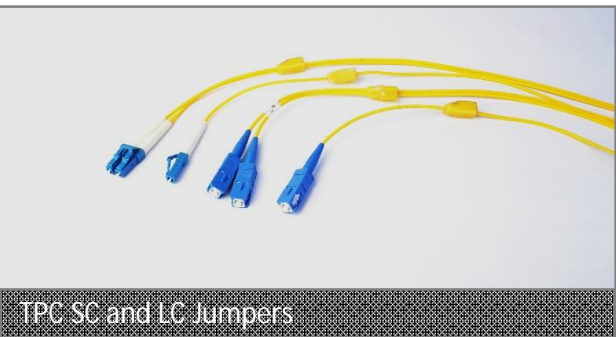
Traceable Patch Cord (TPC) compliments the AFOP indoor cable assemblies product line. The product concept focuses on adding functionality into a simple patch cord to be able to trace the other end of a connection. This is particularly targeted for high density environments where cable congestion can create a challenge in tracing patch cords, and finding the other end of a cable, across a bay or for inter-bay connections.

The Traceable Patch Cord is targeted toward high density and high congestion areas of the telecommunication fiber optic network. Areas of use spans across the network where passive and active fiber management elements are located. These area can be in the inside plant or outside plant cabinets and closures. Some of the more significant areas to use the TPC product include Data Centers (DC), Central Offices (CO), Mobile Switching Centers (MSC), Telecommunication Closets, Active and Passive Fiber Distribution Hubs (FDH), and Multi-Dwelling Units (MDU).

TPC Simplex Jumper and LED Light Tool

TPC Duplex Jumper with Tracing Light Applied

Product Features and Benefits:

Feature	Benefit
LED indicator at both ends of jumper	Visual indication of the far end of the jumper
Simple LED tool to apply power to one end of jumper to easily identify the far end of a jumper in connected area	Eliminates errors due to mislabeling, missing labels or confusion in high density frames
Assemblies are available in Singlemode Bend Insensitive Fiber (BIF) and multimode OM3 and OM4 fiber types	Reduced insertion loss while routing cable through congested fiber trough and tray, dense frames or between equipment
All assemblies meet TIA/EIA and IEC intermateability standards. RoHS compliant	Reduce OPEX cost by reducing installation, maintenance and trouble shooting time
Available in a wide variety of connector types and lengths. Custom configurations available upon request, including multiple boot styles, colors and angle options	Simplify and speed up deployment and cross connect Eliminate errors during move and adds of fiber capacity Simple ordering process of the right product for the application

TPC SC and LC Jumpers

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Product Specifications:

Parameter	Specification
Insertion Loss	
Singlemode Ultra Polish (UPC):	≤ 0.15dB typical
Singlemode Angle Polish (APC):	≤ 0.25dB typical
Multimode:	≤ 0.35dB typical
Return Loss	
Singlemode Ultra Polish (UPC):	≤ -55dB
Singlemode Angle Polish (APC):	≤ -65dB

TPC Traceable Jumper Technology

Ordering Information:

Part #	Description
942-98272-10003	Jumper, LC/UPC(D), 2mm traceable zip, 3m
942-98272-10005	Jumper, LC/UPC(D), 2mm traceable zip, 5m
942-98273-10003	Jumper, SC/APC, 2mm traceable zip, 3m
942-98273-10005	Jumper, SC/APC, 2mm traceable zip, 5m
942-98274-10003	Jumper, SC/UPC, 2mm traceable zip, 3m
942-98274-10005	Jumper, SC/UPC, 2mm traceable zip, 5m
943-99641-10003	Jumper, LC/(D), 2mm traceable OM3 zip, 3m
943-99641-10005	Jumper, LC/(D), 2mm traceable OM3 zip, 5m
943-99657-10003	Jumper, LC/(D), 2mm traceable OM4 zip, 3m
943-99657-10005	Jumper, LC/(D), 2mm traceable OM4 zip, 5m

Amphenol
Amphenol is the world's leading interconnectivity provider. Founded in 1932, Amphenol designs, manufactures, and markets fiber optic, electrical, and coaxial interconnect products. Amphenol products are engineered and manufactured in the Americas, Europe, Asia, and Africa and offered through a worldwide sales and marketing organization.

Experience
As a manufacturer with over 80 years of interconnect design and development, Amphenol leads innovation in connector technology. Utilizing this experience, Amphenol is able to develop a cost effective end-to-end solution to satisfy a customer's full connectivity and cabling needs.

Reliability
Amphenol has a long history of total quality performance. Our high quality products, helpful customer service, and dependable product support from design through production result in satisfied customers.

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