Amphenol
FIBER OPTIC PRODUCTS

TRACEABLE
PATCH CORDS

Product Spotlight
October 17th, 2016

Amphenol

FIBER OPTIC PRODUCTS

Amphenol
FIBER OPTIC PRODUCTS

Traceable Patch Cords (TPC)

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 Amphenol Fiber Optic Products 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 enclosures. 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).

Features

LED indicator at both ends of jumper

Flashlight style tool to apply power to one end of jumper to easily identify the far end of a jumper in connected area

Assemblies are available in Singlemode Bend Insensitive Fiber (BIF) and multimode OM3 and OM4 fiber types

All assemblies meet TIA/EIA and IEC intermateability standards

RoHS compliant

Available in a wide variety of connector types and length

Custom configurations available upon request, including multiple boot styles, colors and angle options

Benefits

Visual indication on each end of the jumper

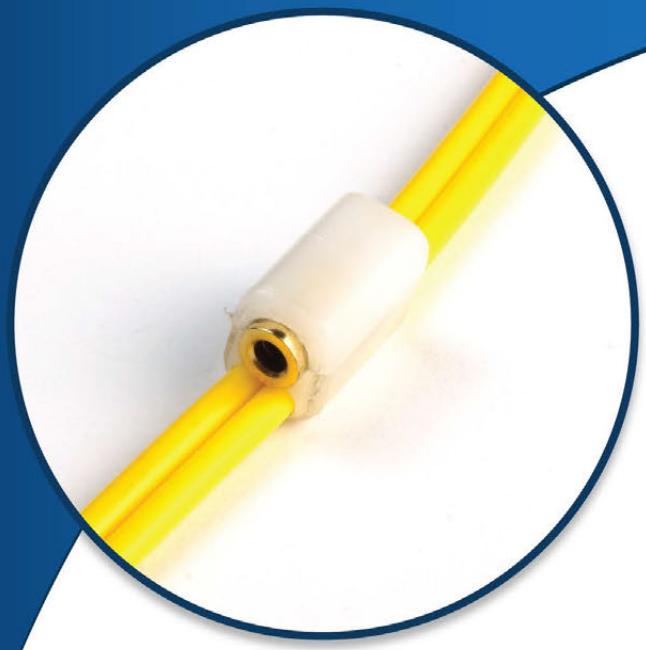
Eliminates errors due to mislabeling, missing labels or confusion in high density frames

Reduced insertion loss while routing cable through congested fiber trough and tray, dense frames or between equipment

Reduce OPEX cost by reducing installation, maintenance and trouble shooting time

Simplify and speed up deployment and cross connect

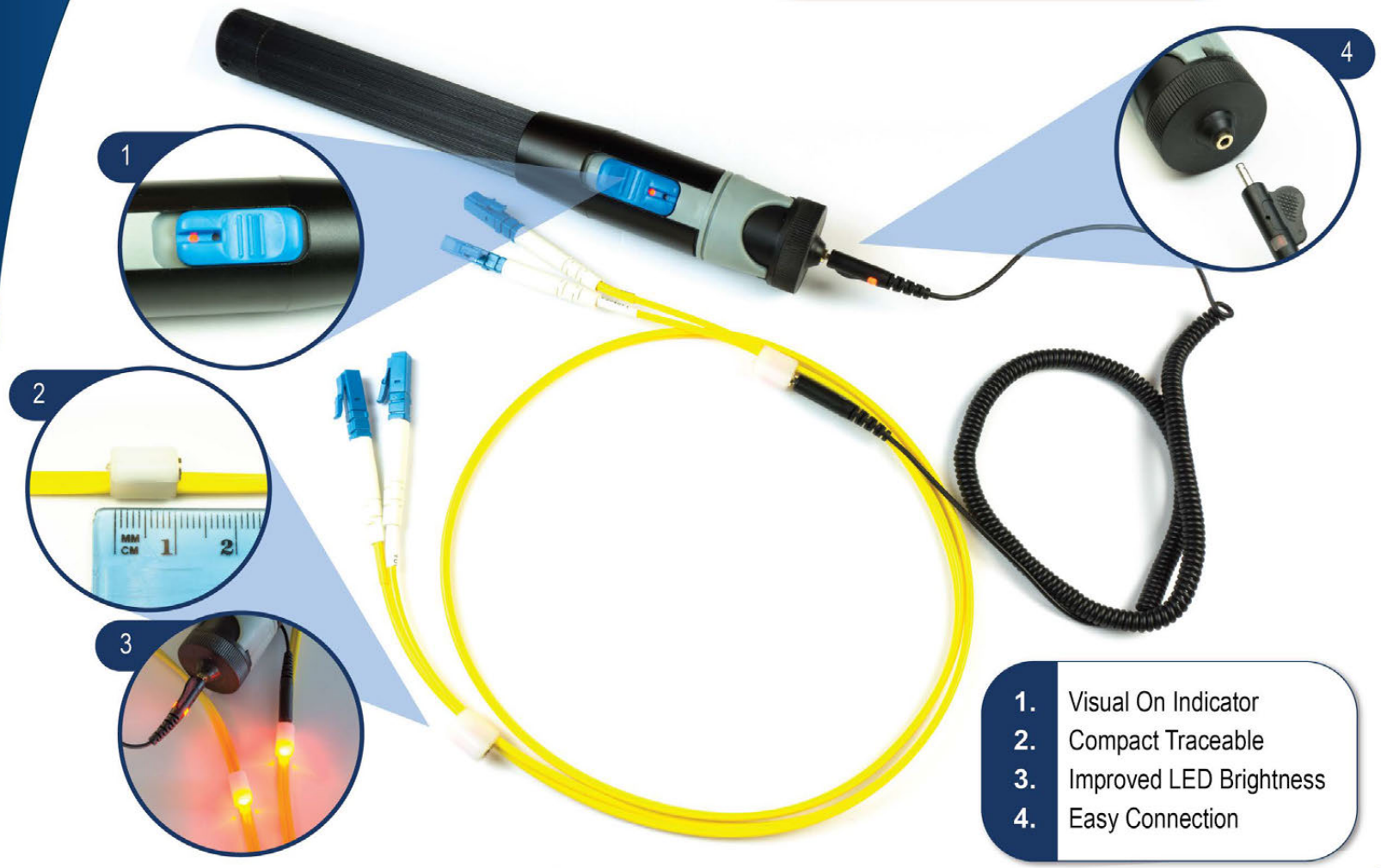
Eliminate errors during move and adds of fiber capacity



Amphenol
FIBER OPTIC PRODUCTS

Technical Specifications

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



1. Visual On Indicator
2. Compact Traceable
3. Improved LED Brightness
4. Easy Connection

Amphenol
FIBER OPTIC PRODUCTS

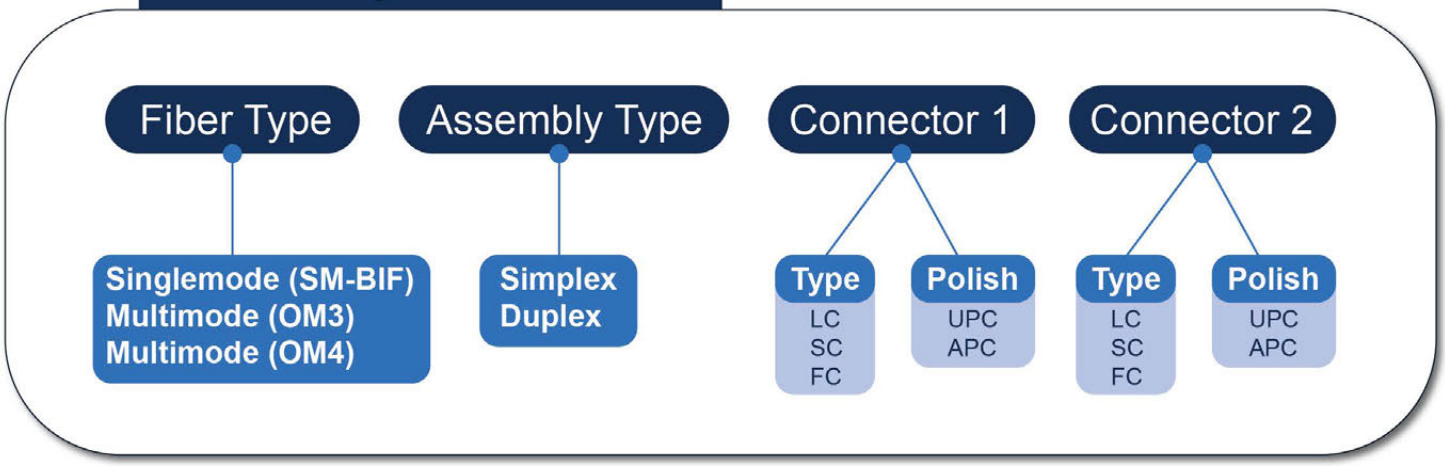
Commitment to Quality

Amphenol's cable assembly expertise dates back to the first industry standard connector (SMA), over 35 years ago. As new fiber optic connectors have entered the industry, Amphenol has carefully selected the most robust and reliable connectors to participate in their design and development. Our in depth understanding of connector design, and the complete control of connector materials, make Amphenol cable assemblies one of the best in the industry.

High quality polishing processes have been developed to meet and exceed industry standards specifications for insertion loss, return loss, and endface geometry. Attention to process control ensures high-yield processes and consistent quality. Additionally, all assemblies are designed to intermateability standards for optical and physical performance criteria, as dictated by EIA/TIA, IEC, JIS, NTT, ANSI, and Telcordia(where applicable).

Performance testing is one of Amphenol's fundamental strengths. Connector and cable materials are extensively inspected prior to assembly. Every cable receives 100% inspection for both insertion loss and visual defects. Interferometers are used for accurate endface geometry testing.

Ordering Information



Technical Specifications

Part Number	Item Description
942-98651-10001	JUMPER, LC/UPC(D) 1 LEG TRACEABLE ZIP, 1M
942-98652-10001	JUMPER, LC/UPC SIMPLEX TRACEABLE, 1M
942-98653-10006	JUMPER, LC/UPC(D)-SC/UPC(D) 1 LEG TRACEABLE ZIP, 6M
942-98653-10009	JUMPER, LC/UPC(D)-SC/UPC(D) 1 LEG TRACEABLE ZIP, 9M
942-98653-10012	JUMPER, LC/UPC(D)-SC/UPC(D) 1 LEG TRACEABLE ZIP, 12M
942-98653-10015	JUMPER, LC/UPC(D)-SC/UPC(D) 1 LEG TRACEABLE ZIP, 15M
942-98654-10006	JUMPER, SC/UPC(D) 1 LEG TRACEABLE ZIP, 6M
942-98654-10009	JUMPER, SC/UPC(D) 1 LEG TRACEABLE ZIP, 9M
942-98654-10012	JUMPER, SC/UPC(D) 1 LEG TRACEABLE ZIP, 12M
942-98654-10015	JUMPER, SC/UPC(D) 1 LEG TRACEABLE ZIP, 15M
943-99814-10001	JUMPER, LC(D), OM4 1 LEG TRACEABLE ZIP, 1M
943-99815-10001	JUMPER, LC, OM4 SIMPLEX TRACEABLE, 1M
943-99816-10006	JUMPER, LC(D)-SC(D), OM4 1 LEG TRACEABLE ZIP, 6M
943-99816-10009	JUMPER, LC(D)-SC(D), OM4 1 LEG TRACEABLE ZIP, 9M
943-99816-10012	JUMPER, LC(D)-SC(D), OM4 1 LEG TRACEABLE ZIP, 12M
943-99816-10015	JUMPER, LC(D)-SC(D), OM4 1 LEG TRACEABLE ZIP, 15M
943-99817-10006	JUMPER, SC(D), OM4 1 LEG TRACEABLE ZIP, 6M
943-99817-10009	JUMPER, SC(D), OM4 1 LEG TRACEABLE ZIP, 9M
943-99817-10012	JUMPER, SC(D), OM4 1 LEG TRACEABLE ZIP, 12M
927-3449	TOOL, POWER SOURCE, TRACEABLE, TORCH

*Please call customer service for additional configurations

Amphenol FIBER OPTIC PRODUCTS