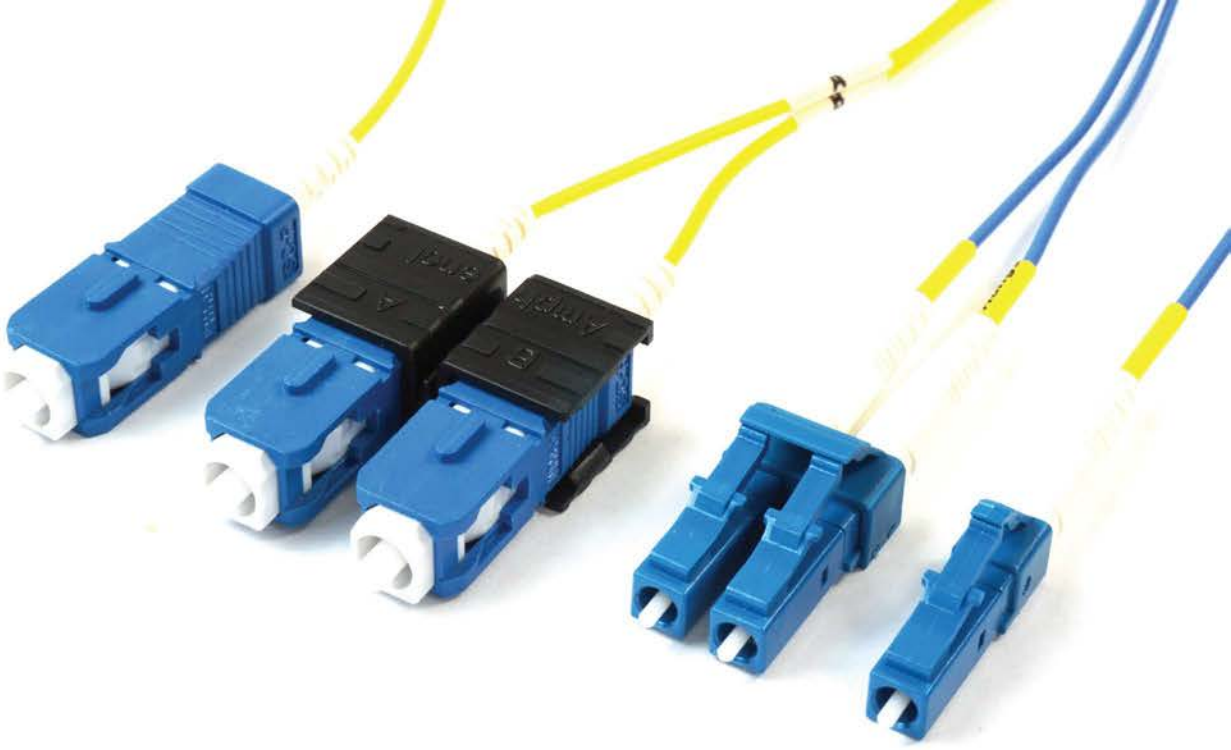


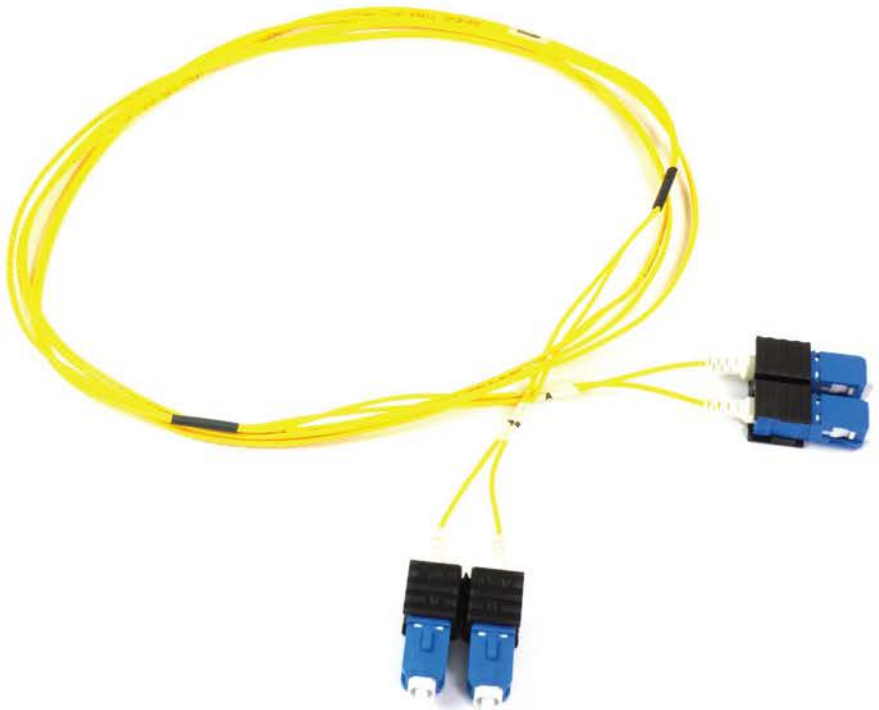
Amphenol
FIBER OPTIC PRODUCTS

1.2MM CABLE ASSEMBLIES

Product Spotlight
January 20th, 2017

Amphenol

FIBER OPTIC PRODUCTS



1.2mm Assemblies

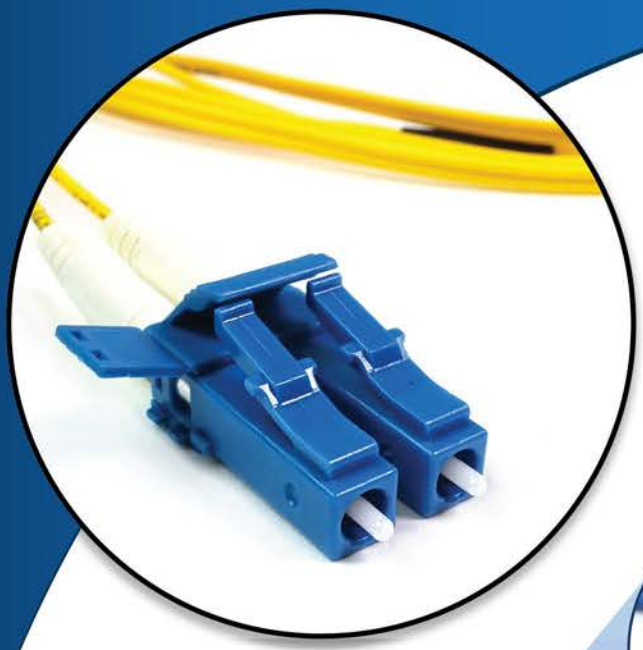
Amphenol's 1.2mm fiber optic assemblies are ideally suited for network applications where space in the fiber management trays is limited. The 1.2mm diameter of the cable reduces congestion in trays and racks, allowing for better airflow. These assemblies are a perfect complement to High Density fiber management systems.

Amphenol connectors are designed and manufactured to meet GR-326 requirements and 100% factory tested in Amphenol's world class manufacturing facilities.

Available in SC and LC connector types, Simplex and Zipcord styles, and S/M, OM1, OM2, OM3, and OM4 fiber types.

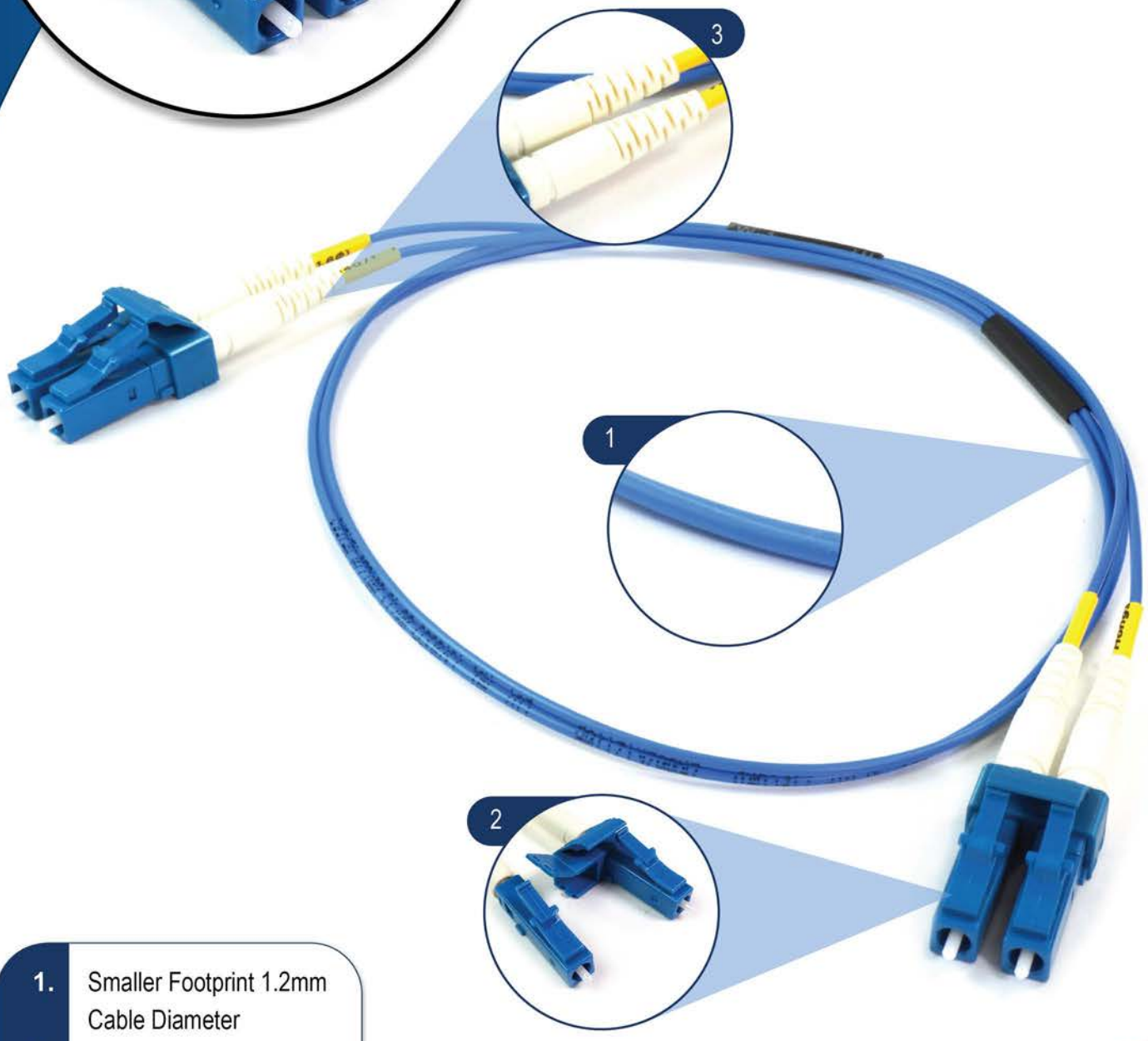
Features and Benefits

- Small footprint with a 41mm length from tip of ferrule to end of boot
- Removable clips for simplex and duplex styles
- Duplex version utilizes a removable flexible clip providing a float between channels A and B
- Singlemode ITU-T G657.A2 and Multimode OM4 cable versions
- Small form factor LC connector enables high panel densities
- Assemblies reduce congestion in trays and racks
- Smaller diameter cable allows for better airflow
- Heat Shrink at zipcord breakout prevents accidental cable split
- Flagged serial number label for cable identification
- Packaged in anti-static bag



Technical Specifications

Parameter	Specification
Insertion Loss	
Singlemode Ultra Polish (UPC)	≤ 0.15dB typical
Singlemode Angle Polish (APC)	≤ 0.23dB typical
Multimode	≤ 0.35dB typical
Return Loss	
Singlemode Ultra Polish (UPC)	≤ -55dB
Singlemode Angle Polish (APC)	≤ -65dB



1. Smaller Footprint 1.2mm Cable Diameter
2. Removable Clips
3. Custom Fit Boot

Amphenol
FIBER OPTIC PRODUCTS

Commitment to Quality

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.

Industry Compliance

RoHS compliant

Meets IEC 61754-20 and TIA/EIA 604-10 industry standards (LC)

Meets IEC 61754-4 and TIA/EIA 604-3 intdustry standards (SC)

3mm Cable

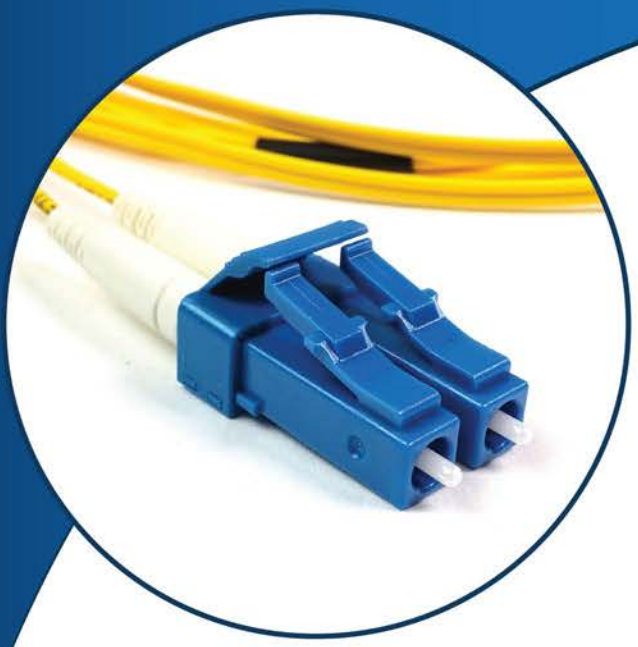
2mm Cable

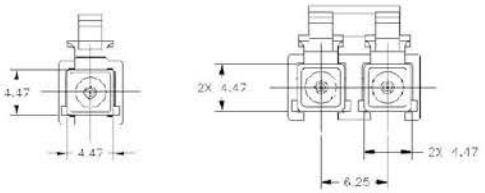
1.2mm Cable

*Cables not to scale. For comparison purposes only.

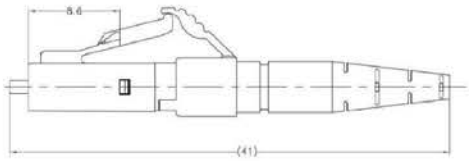
1.2mm Diameter Cable
24 Fiber Bundle

2.0mm Diameter Cable
24 Fiber Bundle



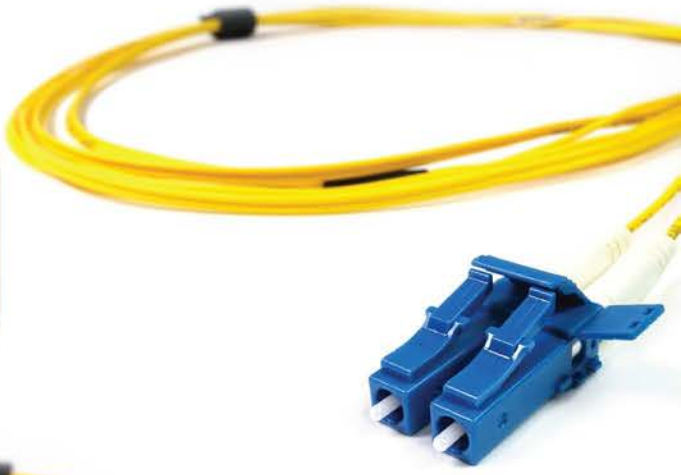


Simplex Duplex



1.2mm LC Connector

Ordering Information

Part Number	Item Description
942-98345-10001	JUMPER, LC/UPC, 1.2mm, 1M
942-98670-10001	JUMPER, LC/UPC(D), 1.2mm ZIP, 1M
943-99795-10001	JUMPER, LC(D), 1.2mm OM3 ZIP, 1M
942-98671-10001	JUMPER, SC/UPC, 1.2mm, 1M

*Please call customer service for additional configurations