

VGS™ Single Mode Simplex Fiber Optic Patch Cords



Applications

Fiber Optic Patch Cords are used in entrance facilities, telecommunications rooms, data centers, at the device and for network applications to interconnect and cross-connect main distribution, horizontal distribution, and equipment distribution areas.

Description / Specifications

Vericom simplex fiber optic patch cords utilize Corning® Fiber Optic Glass for superior optical performance, and are constructed with 1.8mm simplex cable with 900um buffered fiber and aramid yarn to provide strain relief to the connectors. Patch cords are available in OS2 fiber types in UL OFNR for non-plenum applications. SC connectors have standard 2.5mm ferrule and LC connectors have standard 1.25mm ferrule. These cables are built to meet TIA-568-C.3 with regards to patch cord performance and transmission requirements.

Features & Benefits

- Built to meet existing TIA-568-C.3 performance standard for interoperability
- SC is designed to TIA-604-3 (FOCIS-3) for intermatability
- LC is designed for TIA-604-10 (FOCIS-10) for intermatability
- Corning® Fiber Optic Glass for superior performance
- Aramid yarn is crimped to the back of the connector to reduce stress on the fiber and improve durability
- Varying lengths are available to meet specific applications

Standards Compliance

- ISO/IEC 11801
- TIA-568-C.3
- TIA-604-3 (FOCIS-3)
- TIA-604-10 (FOCIS-10)
- RoHS Compliant

Construction

Fiber Count: Simplex (1-fiber) tight buffered

Cable Jacket Rating: Riser (UL OFNR)

Fiber Type: Single Mode, OS2 (G.652.D)

Connector Type end "A": Simplex LC/APC, LC/UPC, SC/APC

Connector Type end "B": Simplex LC/APC, SC/APC

Jacket Color: Yellow

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Ordering Information

Description	Single Mode Simplex Fiber Optic Patch Cords		
Type	Item Number	Length Availability	
OS2, LC-APC Simplex to LC-APC Simplex Patch Cord, Riser (OFNR) Rated, OD1.8mm, Std IL	PC2A2A1118RYE XXM	Specify Item Length (In Meters) by substituting XX for the following options: 01, 02, 03, 05, 07, 10 *Note: Stocking lengths vary based on fiber patch cord style.	
OS2, LC-APC Simplex to SC-APC Simplex Patch Cord, Riser (OFNR) Rated, OD1.8mm, Std IL	PC2A1A1118RYE XXM		
OS2, SC-APC Simplex to SC-APC Simplex Patch Cord, Riser (OFNR) Rated, OD1.8mm, Std IL	PC1A1A1118RYE XXM		
OS2, LC-UPC Simplex to SC-APC Simplex Patch Cord, Riser (OFNR) Rated, OD1.8mm, Std IL	PC1A2U1118RYE XXM		

Item # Example: PC2A2A1118RYE03M = OS2, LC-APC simplex to LC-APC simplex patch cord, riser (OFNR) rated, OD1.8mm, Std IL, 3 meter length.

Environmental Conditions

Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)

Operating & Installation Temperature: -4 °F to 158 °F (-20 °C to 70 °C)

Optical Properties

Connector Insertion Loss: 0.30dB Max.

APC Connector Return Loss: 65dB Min.

UPC Connector Return Loss: 55dB Min.

Physical Properties

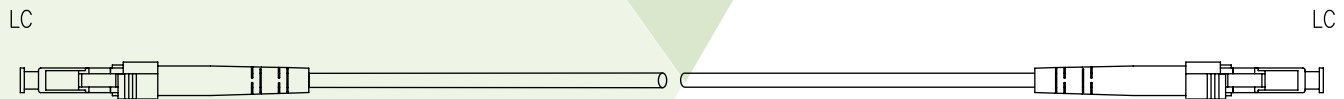
Cable Outside Diameter (OD): 1.8mm simplex

Static Bend Radius (Minimum): 18mm

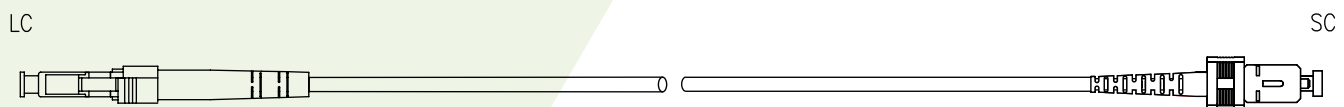
Connector Durability: 500 Cycles

Connector Cable Retention: 50N @ 0° C
19.4N @ 90° C

Technical Illustration: LC to LC



Technical Illustration: LC to SC



Technical Illustration: SC to SC

