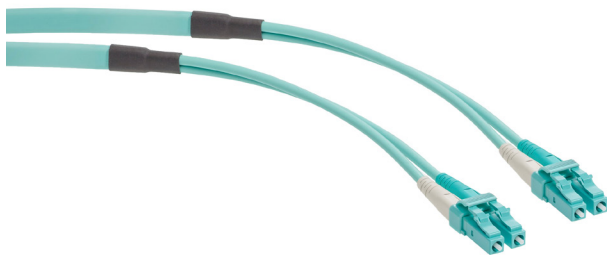


Ruggedized Fiber Patch Cords

APPLICATION

Ruggedized Fiber Patch Cords include an additional outer jacket for extra protection and are used for interconnect or cross-connect fiber networks within structured cabling systems. They are ideal for data centers, Broadband CATV, Passive Optical Network PON, WDM or DWDM multiplexing, FTTH, and voice services in ATM and SONET metropolitan and access networks. These cords are made to order and available with duplex connector combinations, custom lengths, standard loss, low loss, and in custom colors. Contact customer service for details.



SPECIFICATION

Patch cords shall be compliant with ANSI/TIA-568.3-E. Standard insertion loss shall be a maximum of 0.25 dB for multimode and single-mode. Low loss shall be a maximum of 0.15 dB for multimode and single-mode connectors. Multimode return loss shall be greater than 26 dB and greater than 50 dB for single UPC mode connectors. Single-mode angled physical contact connectors (APC) shall have a minimum of 60 dB return loss. Patch cords shall have a pull force of at least 50 N per IEC 61300-2-4. Connector durability of greater than 500 matings for both multimode and single-mode. Patch cords shall be LSHF (Low Smoke Zero Halogen) rated. Patch cords shall be individually packaged with part numbers, descriptions, optical performance, code 39 barcode part number printed on each package, and QR code to access supporting documentation. Patch cords shall include wrap labels including length, end designation, and serial number, providing traceability to factory collected test data.

FEATURES & BENEFITS

- Available in duplex and pigtail configurations
- LC, LC/APC, SC, SC/APC, ST, FC, and FC/APC connector options
- Stock and Make-to-Order
- TIA compliant color-coded connectors and boots
- Cable jacket and boots color-coded for easy ID of fiber
- Fiber options: OS2, OM1, OM3, and OM4
- 100% tested for insertion loss, and single-mode for return loss
- Patch cords include a Limited Lifetime Warranty when used with other Leviton cabling and installed by a Leviton certified contractor
- Other jacket colors available as custom with MOQ and lead time applicable
- Custom configurations via [Levitonemea.com/mta](https://levitonemea.com/mta)

DESIGN CONSIDERATIONS

- Standard polarity is A-B
- LSHF (Low Smoke Halogen Free), LSZH (Low Smoke Zero Halogen), HFFR-LS (Halogen Free Flame Retardant Low Smoke) rated
- Single-mode UPC and APC polish
- FC and ST connectors have metal bodies
- Duplex clips included with duplex configurations
- Bend-insensitive glass (OS2, OM3, and OM4)

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-E
- ISO/IEC 11801-1
- ANSI/TIA-598-D
- Fiber Optic Connector Intermatability Standards (FOCIS)
 - TIA-604-10B (LC)
 - TIA-604-3B (SC)
 - TIA-604-2B (ST)
 - TIA-604-4B (FC)
- End face geometry:
 - IEC 61755-3-1 (UPC/PC)
 - IEC 61755-3-2 (APC)
- Fiber compliance:
 - OS2: IEC 60793-2-50, ITU-T G.657.A1
 - OM1: IEC 60793-2-10
 - OM3: IEC 60793-2-10, ITU-T G.651.1
 - OM4: IEC 60793-2-10, ITU-T G.651.1
- Flame rating:
 - LSHF / LSZH/ HFFR
 - IEC 60332-3-24, IEC 60332-1-2
- RoHS

PRODUCT SPECIFICATIONS

Ruggedized Fiber Patch Cords

MECHANICAL SPECIFICATIONS

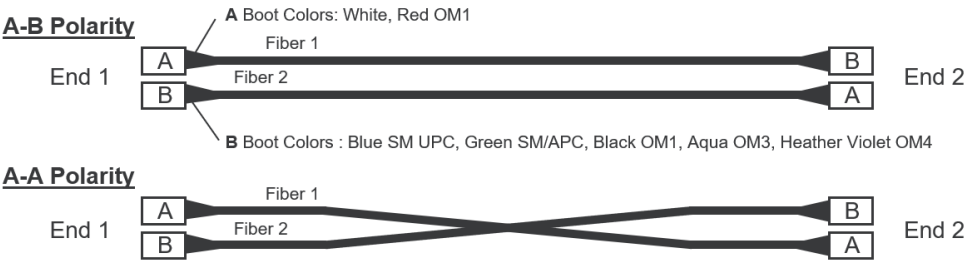
Connector Durability > 500 Matings

Connector Cable Retention 50 N (11.24 lbf)

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

FIBER PERFORMANCE									
Cable Type	Fiber Count	Nominal Diameter (mm)	Weight (kg/km)	Tension (N)		Bend radius (mm)		Temperature Range (C°)	
				Installation	Long Term	Installation	Long Term	Operational	Storage
2.8 mm Ruggedized Duplex	2	4.0 x 7.0	28 kg/km	180	90	56 mm	28 mm	-20 °C to +60 °C	-20 °C to +70 °C



PRODUCT SPECIFICATIONS

Ruggedized Fiber Patch Cords

OPTICAL SPECIFICATIONS

	Insertion Loss: Standard Performance	Insertion Loss: Low Loss	Return Loss
Single-Mode	≤ 0.25 dB	≤ 0.15 dB	UPC: ≥ 50 dB, APC: ≥ 60 dB
Multimode	≤ 0.25 dB	≤ 0.15 dB	≥ 26 dB

Make-to-order!

RUGGEDIZED FIBER PATCH CORD OPTIONS

Product Type	Fiber Type	Cable Type	Termination		Cable Length (m)*	Customization
• VPC = Standard Fiber Patch Cords • LPC = Low Loss Fiber Patch Cords	• S2 = OS2 Yellow • M1 = OM1 Orange • M3 = OM3 Aqua • M4 = OM4 H-Violet	• G1 = 2.8MM RUG-DUP	FIRST END • LC = LC/UPC • L9 = LC/9APC • AL = LC/APC • SC = SC/UPC • AC = SC/APC • C9 = SC/9APC • ST = ST/UPC • FC = FC/UPC • AF = FC/APC	SECOND END • LC = LC/UPC • L9 = LC/9APC • AL = LC/APC • SC = SC/UPC • AC = SC/APC • C9 = SC/9APC • ST = ST/UPC • FC = FC/UPC • AF = FC/APC • XX = PTAIL	• 0005 = 000.5 meters • 0015 = 001.5 meters • 0150 = 015.0 meters	Colors** • 01 = Blue • 02 = Orange • 03 = Green • 04 = Brown • 05 = Slate • 06 = White • 07 = Red • 08 = Black • 09 = Yellow • 10 = Violet • 11 = Rose • 12 = Aqua Polarity • A = A-A



For assistance customizing your patch cords, please visit Levitonemea.com/mta or call Tech Support +44 (0) 1592 778494.

Notes:

*Length ≤ 30 metres are configurable in .2/.4/.5/.6/.8 metre increments

** Patch cords with custom colors have a 2-km minimum order quantity

For further support information, visit Leviton.com/ns/support

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NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.