

LC/LC PATCH CORD SERIES



1 LC-LC-OM4



2 LC-LC -SM



3 LC-LC-OM2



4 LC-LC-OM3



FEATURES

The ERAT Fiber Optic Patch Cord Series consists of Simplex and Duplex fiber optic cables factory-terminated with high-performance fiber optic connectors at both ends. The products are available with LC connector options and can also be manufactured with other connector types upon customer request.

The series is available in custom lengths using Singlemode OS2 (9/125) and Multimode OM2, OM3, OM4 (50/125) or 62.5/125 optical fibers. The products are offered in Simplex, Duplex, Tight Buffer (MTD), and Breakout (BRK) cable constructions with various outer jacket and color options.

The ERAT Fiber Optic Patch Cord Series is manufactured in accordance with ANSI/TIA-568.3-D and IEC 61754 standards, providing high-performance and reliable fiber optic connectivity.

Backed by a 25-year system performance warranty when installed as part of a complete ERAT fiber optic cabling system.



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APPLICATIONS, ORDERING INFORMATION, STANDARDS

Areas of Use	• CATV, Metro, and LAN networks • FTTH, GPON, WDM, DWDM, and PON networks • Data centers • Telecommunication networks • Industrial, healthcare, and military applications • Fiber optic interconnections, patch panels, and distribution points • Optical Distribution Frame (ODF) connections • Fiber-to-the-Desk (FTTD) applications • Connections for active devices with fiber optic ports (e.g., switches, media converters)
Order Options	• Simplex (SX) or Duplex (DX) optical fiber configuration • Cable diameters: 2.0 mm and 3.0 mm • Custom packaging and barcode labeling available upon request • Manufactured in custom lengths using Singlemode (OS1, OS2) and Multimode (OM1, OM2, OM3, OM4) optical fibers with LSZH or PVC outer jackets
Standards	• SM: G652D, G657A2/B3, G655 • ANSI/TIA-568-C.3 • TIA/EIA 492 CAAA • IEC 60874 • LC IEC 61754-20 • IEC 60793-2

PARAMETERS

Unit	Model	PC	UPC
Connector Loss	SM	≤0.25dB	≤0.20dB
	MM	≤0.30dB	≤0.20dB
Return Loss	SM	≥45dB	≥55dB
	MM	≥35dB	≥35dB
Operating Temperature	-40 °C ile +75 °C		
Durability	≤0.1 dB (≤0.2 dB typical change), 500 mating cycles		
Accessible Wavelength	MM - λ=850-1300 nm, SM - λ= 1310 & 1550 nm		
Structural Member	Aramid		

