



▪ SP-ADAP-LC/OM4

SUPRANET / LC/UPC Multimode Duplex Adapter

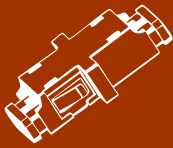


1. Product Description:

- This LC/UPC multimode duplex adapter is designed for high- precision alignment of two LC connectors in multimode fiber networks. The purple- red housing enables color- coded identification for specific applications (e.g., OM3/OM4 laser- optimized systems or proprietary network coding).

2. Key Features:

- **Connector Type:** LC duplex
Polish Type: UPC (Ultra Physical Contact)
Fiber Mode: Multimode (compatible with OM2, OM3, OM4)
Housing Color: Purple- red (magenta) – for easy visual differentiation
Material: High- precision zirconia or phosphor bronze sleeve; flame- retardant thermoplastic housing (UL 94V- 0)
Mounting Style: Flangeless / flanged options; snap- in or screw mounting available
Durability: ≥ 1000 mating cycles



3. Optical Performance (Typical):

Parameter	Value
Insertion loss (typical)	≤ 0.20 dB
Insertion loss (max)	≤ 0.50 dB
Return loss (UPC)	≥ 30 dB
Repeatability	≤ 0.10 dB
Durability (after 1000 cycles)	$\Delta IL \leq 0.20$ dB

4. Mechanical & Environmental Specifications:

Parameter	Specification
Operating temperature	-40°C to +75°C
Storage temperature	-40°C to +85°C
Housing material	UL94V-0 flame-retardant plastic
Sleeve material	Zirconia ceramic or metal
Color (housing)	Purple-red (Pantone / RAL available upon request)

5. Application:

- High- density data center patching
- Multimode backbone links (OM3/OM4)
- Color- coded network management
- FTTA / LAN / SAN systems