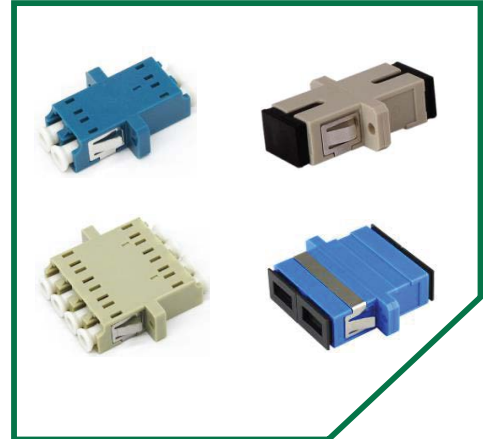


Fiber Optic Adapter Series

Part Number: PL-FADxxzz

High-performance LC and SC adapter family for single-mode and multimode structured cabling systems.



FEATURES

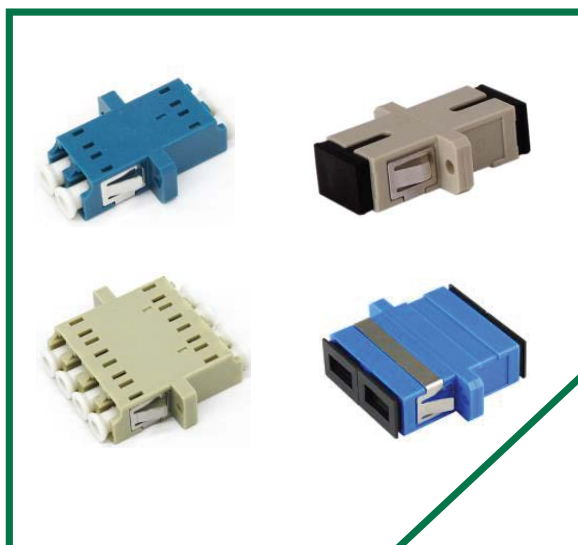
- Precision LC and SC fiber optic adapters for reliable optical interconnection.
- Supports UPC/APC single-mode and standard multimode, OM3 and OM4 variants.
- Low insertion loss: ≤ 0.20 dB.
- Exchangeability: ≤ 0.20 dB maximum increase.
- Repeatability: ≤ 0.20 dB maximum increase after 500 mating cycles.
- Premium precision zirconia ceramic alignment sleeve for improved concentricity and long-term stability.
- Panel-mount clip for fast installation; snap-in / shutter provision on applicable models.
- RoHS compliant.

APPLICATIONS

- Telecommunication & CATV
 - LAN and data networks
 - FTTB / FTTH / FTTH
 - Data centers and equipment rooms
 - ODF, patch panels and fiber distribution boxes
- ### STANDARDS REFERENCE
- ANSI/TIA-568.3-E – Optical Fiber Cabling and Components
 - IEC 61754-4:2022 + AMD1:2026 – SC connector interface
 - IEC 61754-20:2012 + AMD1:2022 – LC connector interface
 - IEC 61300-3-4:2023 – Attenuation measurement
 - IEC 61300-3-6:2008 – Return loss measurement

TECHNICAL SPECIFICATIONS

Parameter	Premium Specification
Adapter Families	LC and SC
Port Configuration	LC: Duplex / Quad SC: Simplex / Duplex
Fiber Compatibility	Single-mode (UPC/APC); Multimode; OM3; OM4
Insertion Loss	≤ 0.20 dB
Exchangeability	≤ 0.20 dB maximum increase
Repeatability	≤ 0.20 dB maximum increase after 500 mating cycles
Alignment Sleeve	Precision zirconia ceramic (Premium configuration)
Housing Material	Plastic
Operating Temperature	-20 °C to +85 °C
Storage Temperature	-40 °C to +85 °C
Mating Durability	500 cycles minimum
Mounting	Panel clip / snap-in design
Environmental Compliance	RoHS



LC Adapter – Part Number Matrix

All original LC part numbers are retained. Descriptions are corrected only for terminology and consistency.

Part Number	Description
PL-FADLCUSD	LC/UPC Single-mode Duplex Adapter
PL-FADLCUSQ	LC/UPC Single-mode Quad Adapter
PL-FADLCASD	LC/APC Single-mode Duplex Adapter
PL-FADLCASQ	LC/APC Single-mode Quad Adapter
PL-FADLCU0MD	LC/UPC Multimode Duplex Adapter
PL-FADLCU0MQ	LC/UPC Multimode Quad Adapter
PL-FADLCU3MD	LC/UPC Multimode OM3 Duplex Adapter
PL-FADLCU3MQ	LC/UPC Multimode OM3 Quad Adapter
PL-FADLCU4MD	LC/UPC Multimode OM4 Duplex Adapter
PL-FADLCU4MQ	LC/UPC Multimode OM4 Quad Adapter



LC Duplex



LC Quad

LC SERIES NOTES

- UPC and APC single-mode variants are retained exactly as listed in the source sheet.
- Standard multimode, OM3 and OM4 variants are retained.
- Duplex and quad configurations support high-density fiber distribution.
- Premium construction uses zirconia ceramic alignment sleeves across all LC variants.

SC Adapter – Part Number Matrix

All original SC part numbers are retained. Descriptions are corrected only for terminology and consistency.

Part Number	Description
PL-FADSCUSS	SC/UPC Single-mode Simplex Adapter
PL-FADSCUSD	SC/UPC Single-mode Duplex Adapter
PL-FADSCASS	SC/APC Single-mode Simplex Adapter
PL-FADSCASD	SC/APC Single-mode Duplex Adapter
PL-FADSCU0MS	SC/UPC Multimode Simplex Adapter
PL-FADSCU0MD	SC/UPC Multimode Duplex Adapter
PL-FADSCU3MS	SC/UPC Multimode OM3 Simplex Adapter
PL-FADSCU3MD	SC/UPC Multimode OM3 Duplex Adapter
PL-FADSCU4MS	SC/UPC Multimode OM4 Simplex Adapter
PL-FADSCU4MD	SC/UPC Multimode OM4 Duplex Adapter



SC Duplex



SC Simplex

SC SERIES NOTES

- UPC and APC single-mode variants are retained exactly as listed in the source sheet.
- Standard multimode, OM3 and OM4 variants are retained.
- Simplex and duplex configurations support ODF, patch-panel and wall-box installations.
- Premium construction uses zirconia ceramic alignment sleeves across all SC variants.

CORRECTIONS / UPDATES APPLIED

- Legacy “TIA/EIA 568-B.3” reference updated to ANSI/TIA-568.3-E.
- SC and LC interface references updated to current IEC 61754 family editions.
- Terminology standardized to “single-mode” and “multimode”; slash characters in UPC/APC descriptions corrected.
- No original part number was deleted or changed.
- Original insertion loss, exchangeability, repeatability and temperature ratings were retained.