

PASSIVE COMPONENTS

Fiber Patch Cord

Single-mode and multimode patch cords with 0.15 dB insertion loss and up to 60 dB return loss.



Key Features

- Single-mode G652, G655 and G657; multimode OM1 through OM4
- Insertion loss ≤ 0.15 dB single-mode UPC
- Return loss ≥ 60 dB with APC polish
- Built to specified connector, length and polish

Applications

- Equipment and patch panel interconnection
- Data center structured cabling
- Test and measurement jumpers
- Field installation and repair

Overview

Terminated fiber assemblies in single-mode and multimode, built to the connector, length and polish you specify. Single-mode uses 9/125 μm fiber in G652, G655 or G657; multimode is available in 50/125 and 62.5/125 μm across OM1 through OM4.

Polish type sets the reflection performance: UPC gives 50 dB return loss on single-mode, while APC's angled face reaches 60 dB — the difference that matters in analog CATV and any coherent link where back reflection turns into noise.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Insertion Loss	≤ 0.15	dB	Single-mode UPC
Insertion Loss	≤ 0.2	dB	Single-mode APC
Insertion Loss	≤ 0.1	dB	Multimode UPC
Return Loss	≥ 50	dB	Single-mode UPC
Return Loss	≥ 60	dB	Single-mode APC
Return Loss	≥ 35	dB	Multimode

Fiber

PARAMETER	VALUE
Single-Mode Fiber	9/125 μm , G652 / G655 / G657
Multimode Fiber	50/125 and 62.5/125 μm , OM1 / OM2 / OM3 / OM4

Order or request a quote

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Specifications are subject to change without notice and do not constitute a warranty. Confirm all parameters with Lightwit Photonics sales before ordering.