



# GalaxLite Duplex Patch Cord, LC/UPC - LC/UPC, MM OM4, PVC Sheath, OFNR



## Product Part Number

N132.LCULCU3PVxy

## Product Description

The **GalaxLite Duplex Patch Cord**, featuring LC/UPC to LC/UPC connectors, is designed for ultra-high-speed multimode fiber optic networks. Built with **OM4 (50/125µm) multimode fiber**, it delivers superior bandwidth and low attenuation, making it ideal for **10G, 40G, and even 100G Ethernet applications**. The optimized laser-optimized fiber (LOMMF) design enhances performance over longer distances, reducing signal loss in high-density network environments. The duplex configuration supports simultaneous bidirectional communication, while the rugged **PVC sheath and OFNR rating** ensure safe deployment in riser spaces, meeting fire safety requirements.

## Product Features

- Ultra-High-Performance Multimode Fiber : Utilizes OM4 (50/125µm) fiber, providing higher bandwidth and extended reach for high-speed applications.
- LC/UPC Connectors : Delivers low insertion loss and high return loss for stable and high-quality optical performance.
- Duplex Configuration : Enables full-duplex communication, ideal for high-bandwidth applications.
- Optimized for 10G, 40G, and 100G Ethernet : Supports 10GBASE-SR up to 550m, 40GBASE-SR4, and 100GBASE-SR10 applications.
- Durable PVC Sheath : Provides mechanical protection and flexibility, ensuring long-term reliability in demanding environments.
- Fire-Safe & Compliance Ready: OFNR-rated for safe use in riser spaces, meeting industry safety standards.





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## Applicable Standards

### Fiber Standards

- IEC 60793-2-10 – Classification for **OM4 multimode fiber**
- ISO/IEC 11801 – Structured cabling standard for multimode fiber.
- TIA/EIA-568.3-D – Optical fiber cabling and component standard.

### Connector & Performance Standards

- IEC 61754-20 – Standard for **LC** fiber optic connectors.
- IEC 61300-3-34 – Measurement of insertion loss in fiber optic connectors.
- IEC 61300-3-6 – Measurement of return loss in fiber optic connectors.

### Fire & Safety Standards

- ANSI/TIA-568.3-D – Optical fiber cabling and component standard.
- NFPA 262 / UL 1666 – OFNR (Optical Fiber Nonconductive Riser) fire resistance compliance.
- RoHS (Restriction of Hazardous Substances) Compliant – Environmentally safe and lead-free materials.

### Quality & Manufacturing Standards

- ISO 9001:2015 – Ensures quality management in manufacturing.
- Telcordia GR-326-CORE – Qualification requirements for fiber optic connectors and jumpers.





## Material Specifications

Fiber Type	Multimode OM4 (50/125)
Insertion Loss	≤ 0.25 dB
Return Loss	≥ 35 dB
Connector Color	Purple
Boot Color	Purple
Sheath Color	Purple
Outer Diameter	H x W = 2.0mm x 4.1mm   2.8mm x 5.8mm
Sheath Material	PVC
Buffer Type	Tight Buffered
Strength Member	Aramid Yarn
Bending Radius	Dynamic 20 x W   Static 10 x W (Where "W" is Width - larger dimension)
Tensile Strength	Short-term : 200N / Long-term : 100N

## Environmental Specifications

Operating Temperature Range	- 20°C to 70°C
Storage Temperature Range	- 20°C to 70°C

## Ordering Information

N132.LCULCU3PV41	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.0mm x 4.1mm, 1m
N132.LCULCU3PV42	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.0mm x 4.1mm, 2m
N132.LCULCU3PV43	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.0mm x 4.1mm, 3m
N132.LCULCU3PV45	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.0mm x 4.1mm, 5m
N132.LCULCU3PV410	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.0mm x 4.1mm, 10m
N132.LCULCU3PV61	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.8mm x 5.8mm, 1m
N132.LCULCU3PV62	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.8mm x 5.8mm, 2m
N132.LCULCU3PV63	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.8mm x 5.8mm, 3m
N132.LCULCU3PV65	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.8mm x 5.8mm, 5m
N132.LCULCU3PV610	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM4, PVC Sheath, OFNR, 2.8mm x 5.8mm, 10m