



GalaxLite Duplex Patch Cord, LC/UPC - LC/UPC, MM OM1, PVC Sheath, OFNR



Product Part Number

N132.LCULCU0PVxy

Product Description

The **GalaxLite Duplex Patch Cord**, featuring LC/UPC to LC/UPC connectors, is designed for high-speed multimode fiber optic networks. Constructed with OM1 (62.5/125 μ m) fiber, it provides reliable short-distance transmission, making it ideal for enterprise networks, data centers, LANs, and telecom applications. The duplex configuration enables simultaneous bidirectional communication, improving network efficiency. The durable PVC sheath and OFNR rating ensure safe deployment in riser spaces, meeting fire safety requirements.

Product Features

- High-Performance Multimode Fiber : OM1 (62.5/125 μ m) multimode fiber ensures low attenuation and stable signal transmission for short-range 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 1000BASE-SX & Legacy Applications : Ideal for Gigabit Ethernet, Fast Ethernet, and fiber-optic LANs.
- 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 **OM1 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.





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Material Specifications

Fiber Type	Multimode OM1 (62.5/125)
Insertion Loss	≤ 0.25 dB
Return Loss	≥ 35 dB
Connector Color	Beige
Boot Color	White
Sheath Color	Orange
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





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Ordering Information

N132.LCULCU0PV41	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.0mm x 4.1mm, 1m
N132.LCULCU0PV42	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.0mm x 4.1mm, 2m
N132.LCULCU0PV43	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.0mm x 4.1mm, 3m
N132.LCULCU0PV45	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.0mm x 4.1mm, 5m
N132.LCULCU0PV410	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.0mm x 4.1mm, 10m
N132.LCULCU0PV61	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.8mm x 5.8mm, 1m
N132.LCULCU0PV62	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.8mm x 5.8mm, 2m
N132.LCULCU0PV63	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.8mm x 5.8mm, 3m
N132.LCULCU0PV65	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.8mm x 5.8mm, 5m
N132.LCULCU0PV610	GalaxLite Duplex Patch Cord, LC/UPC-LC/UPC, MM OM1, PVC Sheath, OFNR, 2.8mm x 5.8mm, 10m

