



# GalaxLite Duplex Patch Cord, SC/APC - SC/APC, SM G.657A2, PVC Sheath, OFNR



## Applicable Standards

- **TIA-568.3-D:** Standard for optical fiber cabling and components.
- **IEC 60793-2-50:** Specifies characteristics for G.657A2 bend-insensitive fibers.
- **IEC 61754-4:** Defines SC connector interface performance and dimensions.
- **ISO/IEC 11801:** Ensures compliance with structured cabling system standards.
- **UL 1666:** Certifies fire resistance for riser-rated (OFNR) cables.

## Product Part Number

N132.SCASCA5A2PVxy

## Product Description

The GalaxLite Duplex Patch Cord with SC/APC connectors is built for high-performance single-mode applications using G.657A2 bend-insensitive fiber. Designed with a durable PVC sheath and OFNR rating, it ensures reliable and efficient data transmission in critical optical networks. Its precision-engineered SC/APC connectors provide excellent return loss, making it ideal for demanding telecom, data center, and enterprise applications.

## Product Features

- **High-Performance Fiber :** Utilizes G.657A2 single-mode fiber for low-loss signal transmission and high efficiency.
- **Duplex Design :** Supports simultaneous bidirectional data transmission, ideal for modern optical systems.
- **Durable PVC Sheath :** Protects against environmental stress and ensures long-term performance.
- **SC/APC Connectors :** Angled connectors reduce return loss for superior signal quality.
- **OFNR Rating :** Certified for use in vertical riser applications, complying with stringent fire safety standards.





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## Material Specifications

|                  |  |
|------------------|--|
| Fiber Type       | Single Mode G.657A2 (9/125)  |
| Insertion Loss   | ≤ 0.25 dB  |
| Return Loss      | ≥ 65 dB  |
| Connector Color  | Green  |
| Boot Color       | Green  |
| Sheath Color     | Yellow   |
| 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.SCASCA5A2PV41  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.0mm x 4.1mm, 1m  |
| N132.SCASCA5A2PV42  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.0mm x 4.1mm, 2m  |
| N132.SCASCA5A2PV43  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.0mm x 4.1mm, 3m  |
| N132.SCASCA5A2PV45  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.0mm x 4.1mm, 5m  |
| N132.SCASCA5A2PV410 | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.0mm x 4.1mm, 10m |
| N132.SCASCA5A2PV61  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.8mm x 5.8mm, 1m  |
| N132.SCASCA5A2PV62  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.8mm x 5.8mm, 2m  |
| N132.SCASCA5A2PV63  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.8mm x 5.8mm, 3m  |
| N132.SCASCA5A2PV65  | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.8mm x 5.8mm, 5m  |
| N132.SCASCA5A2PV610 | GalaxLite Duplex Patch Cord, SC/APC-SC/APC, SM G.657A2, PVC Sheath, OFNR, 2.8mm x 5.8mm, 10m |