

PRODUCT SPECIFICATIONS

OPT-X SJP Plenum Loose Tube Array Cord (SJP016)

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APPLICATION

OPT-X SJP Plenum Array Cord cable with 2.3 mm jacket is designed to be used in high density plenum rated environments. OPT-X SJP is rated for plenum installations and has no gel filler. The loose tube cable design can be used in all typical indoor campus and data center installations, and is available with standard multimode, single-mode and laser-optimized multimode fibers. These cables support high density network requirements, and may be used for field terminations in riser or horizontal spaces.

These cables are part of the TORRENT™ family of immersion-ready solutions. They have been tested with select immersion cooling fluids and found to be acceptable per OCP Materials Compatibility in Immersion Cooling, Rev 1.0. Additionally, jacket and insulation materials retained 80% or more of Tensile Strength & Elongation when tested per ASTM D412 after being aged for 14 days at 80 °C. Visit our web site for the list of fluids.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/ns/warranty

FEATURES & BENEFITS

- Compact, plenum rated, flexible loose tube design of all dielectric construction facilitates installation in data centers and indoor enterprise applications
- 2.3 mm space saving design houses fibers and aramid strength yarns to permit direct connectorization for MPO
- Optimized access ease with simple, off-the-shelf tools
- No cleaning of gels required for installation, greatly reducing installation time and cost
- Dry color coded loose tube containing 16, 250 µm, individually colored fibers
- Plenum rating enables installation to go directly through plenum spaces
- All dielectric design eliminates system grounding requirements

STANDARDS & REGULATIONS

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/TIA-568.3-E; UL 1651; NFPA 130; NFPA 262; Telcordia GR-409, OFNP
- ETHERNET: 10BASE – 40GBASE (10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Fibre Channel: 1G-FC – 128GFC (1, 2, 4, 8, 16, 32, 128 GFC)
- SONET: OC-1 – OC-768 (OC -1, 3, 12, 24, 48, 192, 768)
- SDH: STM-0 – STM-256 (STM-0, 1, 4, 16, 64, 256)
- OTN: OTU-1 – OTU4 (OTU1, 2, 2e, 2f, 3, 3e2, 4)
- CPRI: CPRI-1 – CPRI-9 (CPRI-1, 2, 3, 4, 5, 6, 7, 7a, 8, 9)
- PON (SMF ONLY): RFoG, APON, BPON, EPON, GPON, WDM-PON, NG-PON

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CHARACTERISTICS

| Construction | |
|-----------------------------|--------------------------------------|
| Type of cable | Loose Tube |
| Jacket material | Plenum |
| Usage Characteristics | |
| Temperature (Storage): | 0 °C to +75 °C (+32 °F to +167 °F) |
| Temperature (Installation): | 0 °C to +60 °C (+32 °F to +140 °F) |
| Temperature (Operating): | -40 °C to +75 °C (-40 °F to +167 °F) |

FIBER DATA AND SHEATH COLORS

| Fiber Type | Part Number Suffix | Leviton Fiber | Core Size | Wavelength (nm) | Maximum Attenuation (dB/km) | Effective Modal Bandwidth @ 850 nm (MHz*km) | Distance (meters) | | | | Sheath Color |
|--|--------------------|---------------|-----------|-----------------|-----------------------------|---|-------------------|---------------|---------------|----------------|--------------|
| Multimode - 62.5 µm Standard, and 50 µm Bend Optimized | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE | |
| OM3 | EB3010/25 | EB | 50 µm | 850/1300 | 2.8/0.8 | 2000 | 1000 | 300 | 100 | 70 | Aqua |
| OM4 | FB3010/F5 | FB | 50 µm | 850/1300 | 2.8/0.8 | 4700 | 1040 | 550 | 150 | 100 | Aqua |
| WideBand Multimode - Bend Optimized | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE | |
| OM5 | WB3010/W5 | WB | 50 µm | 850-953/1300 | 2.8/0.8 | 4700 | 1040 | 550 | 190 | 100 | Lime Green |
| Single-mode Bend Optimized - ITU-T G.652.D and G.657.A1 Compliant | | | | | | | 1 GbE | 10 GbE | 40 GbE | 100 GbE | |
| OS2 | AB0403 | AB | SMF | 1310/1550 | 0.4/0.3 | N/A | ≥ 5000 | ≥ 10000 | ≥ 10000 | ≥ 10000 | Yellow |

TECHNICAL DATA - PHYSICAL

| Fiber | Part Number Prefix | Diameter | | Weight | | Min. Bend Radius | | | | Max. Loading | | | |
|-------|--------------------|----------|-----|---------|-------|------------------|-----|-----------|-----|--------------|-----|-----------|----|
| | | | | | | Install | | Long Term | | Install | | Long Term | |
| | | in. | mm | lb./kft | kg/km | in. | cm | in. | cm | lbf. | N | lbf. | N |
| 16 | SJP016 | 0.091 | 2.3 | 3 | 4 | 1.4 | 3.5 | 0.9 | 2.3 | 50 | 222 | 15 | 67 |

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FIBER OPTIC CABLE PART NUMBERING PLATFORM

Sample Part Number: SJ P 016 AB0403 -L1(LEV)

CABLE PREFIX

| CABLE FAMILY | | CABLE OPTIONS | | FIBER COUNT | |
|--------------|--------------|---------------|--------|-------------|----------|
| SJ | Sub Jacketed | P | Plenum | 016 | 16 fiber |

FIBER SUFFIX

| FIBER TYPE | | SUFFIX | |
|------------|----------|--------|----------------------|
| EB3010/25 | OM3 | -C4 | Special Jacket Color |
| FB3010/F5 | OM4 | -L1 | Special Print |
| WB3010/W5 | OM5 | | |
| AB0403 | OS2 (LT) | | |

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For further support information, visit leviton.com/ns/support