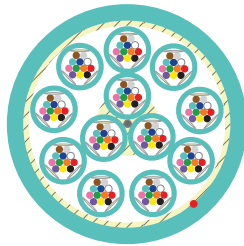


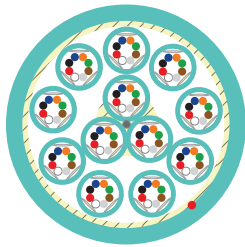
OPT-X™ SJP Plenum Loose Tube (SJP)

APPLICATION

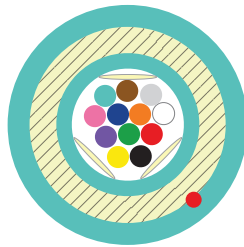
OPT-X SJP Plenum cables with 2.0 mm micro buffer tubes are designed to be used in high density plenum rated environments. OPT-X SJP is rated for plenum installations and has no gel filler. The loose tube cable design can be used in all typical indoor campus and data center installations, and is available 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.



SJP12B144



SJP8B096



SJP012-2J

BENEFITS

- Compact, plenum rated, flexible loose tube design of all dielectric construction facilitates installation in data centers and indoor enterprise applications
- Optimized access ease with simple, off-the-shelf tools
- No cleaning of gels required for installation, greatly reducing installation time and cost
- System grounding requirements are eliminated

FEATURES

- OPT-X SJP Plenum cable is available in 12- to 288- count fiber constructions
- Dry color coded loose tubes containing up to 12, 250 μm, individually colored fibers.
- 2.0 mm space saving subunits house fibers and aramid strength yarns to permit direct connectorization for MPO connectors
- Designed to support Gigabit Ethernet, Gigabit ATM, Fibre Channel, and other high-speed applications
- Plenum rating enables installation to go directly through plenum spaces
- All dielectric design

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
- 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

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

PRODUCT SPECIFICATIONS
OPT-X™ SJP Plenum Loose Tube (SJP)

OPT-X SJP Plenum Loose Tube (SJP)

CHARACTERISTICS

Construction

Type of cable	Loose Tube
Jacket material	Plenum

Usage Characteristics

Temperature (Operating):	0 °C to +75 °C
Temperature (Installation):	0 °C to +60 °C
Temperature (Storage):	-40 °C to +75 °C

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
12	SJP012-2J	0.188	4.8	17	26	2.8	7.2	1.9	4.8	150	667	45	200
24	SJP12B024	0.296	7.5	35	52	4.4	11.3	3.0	7.5	300	1335	90	400
48	SJP12B048	0.296	7.5	35	53	4.4	11.3	3.0	7.5	300	1335	90	400
72	SJP12B072	0.320	8.1	43	64	4.8	12.2	3.2	8.1	300	1335	90	400
96	SJP8B096	0.420	10.7	67	99	6.3	16.0	4.2	10.7	600	2670	180	800
96	SJP12B096	0.420	10.7	68	101	6.3	16.0	4.2	10.7	600	2670	180	800
144	SJP12B144	0.420	10.7	69	102	6.3	16.0	4.2	10.7	600	2670	180	800
288	SJP12B288	0.640	16.3	189	282	9.6	24.4	6.4	16.3	1000	4448	300	1335

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 Insensitive							1 GbE	10 GbE	40 GbE	100 GbE	
OM1	CB3510/25	CB	62.5 µm	850/1300	3.5/1.0	200	300	33	N/A	N/A	Orange
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
OM4+	XB3010/X5	XB	50 µm	850/1300	2.8/0.8	4900	1210	600	300	150	Violet
WideBand Multimode - Bend Insensitive							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 Insensitive - 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

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