

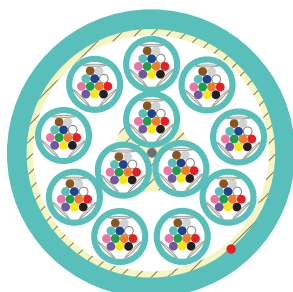
PRODUCT SPECIFICATIONS

OPT-X SJP Plenum Loose Tube (SJP Base-12 & Base-8)

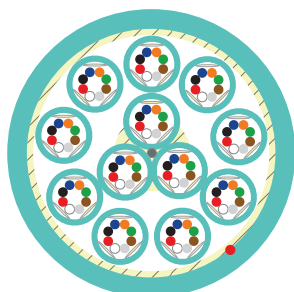
OPT-X™ SJP Plenum Loose Tube (SJP Base-12 & Base-8)

APPLICATION

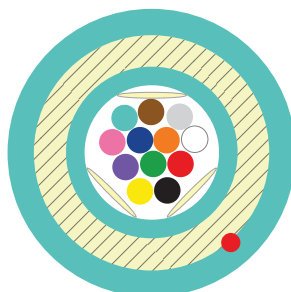
OPT-X SJP Plenum Base-12 & Base-8 cables with 2.0 mm micro buffer tubes are designed to be used in high density plenum rated environments. OPT-X SJP is rated for plenum installations and has no gel filler. The loose tube cable design can be used in all typical indoor campus and data center installations, 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

FEATURES & BENEFITS

- OPT-X SJP Plenum cable is available in 12- to 288-count Base-12 and 8- to 192-count Base-8 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 and/or MMC connectors
- Designed to support Terabit Ethernet, Infiniband, and other high-speed applications
- Plenum rating enables installation to go directly through plenum spaces
- 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

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

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

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

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CHARACTERISTICS

Construction

Type of cable	Loose Tube
Jacket material	Plenum

Usage Characteristics

Temp. (Storage):	-40 °C to +75 °C (-40 °F to +167 °F)
Temp. (Installation):	0 °C to +60 °C (+32 °F to +140 °F)
Temp. (Operating):	0 °C to +75 °C (+32 °F to +167 °F)

TECHNICAL DATA - PHYSICAL

Fiber Count	Fibers per Tube	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	12	SJP012-2J	0.188	4.8	17	26	2.8	7.2	1.9	4.8	150	667	45	200
24	12	SJP12B024	0.296	7.5	35	52	4.4	11.3	3.0	7.5	300	1335	90	400
48	12	SJP12B048	0.296	7.5	35	53	4.4	11.3	3.0	7.5	300	1335	90	400
72	12	SJP12B072	0.322	8.1	43	64	4.8	12.2	3.2	8.1	300	1335	90	400
96	12	SJP12B096	0.420	10.7	68	101	6.3	16.0	4.2	10.7	600	2670	180	800
144	12	SJP12B144	0.420	10.7	69	102	6.3	16.0	4.2	10.7	600	2670	180	800
288	12	SJP12B288	0.640	16.3	189	282	9.6	24.4	6.4	16.3	1000	4448	300	1335
8	8	SJP008-2J	0.188	4.8	17	26	2.8	7.2	1.9	4.8	150	667	45	200
16	8	SJP8B016	0.296	7.5	34	51	4.4	11.3	3.0	7.5	300	1335	90	400
24	8	SJP8B024	0.296	7.5	34	51	4.4	11.3	3.0	7.5	300	1335	90	400
32	8	SJP8B032	0.296	7.5	35	52	4.4	11.3	3.0	7.5	300	1335	90	400
48	8	SJP8B048	0.322	8.2	42	63	4.8	12.3	3.2	8.2	300	1335	90	400
64	8	SJP8B064	0.376	9.6	59	87	5.6	14.3	3.8	9.6	600	2670	180	800
72	8	SJP8B072	0.400	10.2	70	104	6.0	15.2	4.0	10.2	600	2670	180	800
96	8	SJP8B096	0.420	10.7	67	99	6.3	16.0	4.2	10.7	600	2670	180	800
128	8	SJP8B128	0.504	12.8	103	153	7.6	19.2	5.0	12.8	600	2670	180	800
144	8	SJP8B144	0.504	12.8	103	153	7.6	19.2	5.0	12.8	600	2670	180	800
192	8	SJP8B192	0.640	16.3	190	283	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 Optimized							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 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

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FIBER OPTIC CABLE PART NUMBERING PLATFORM

Sample Part Number: SJ P 12B288 AB0403

CABLE PREFIX					FIBER SUFFIX				
CABLE FAMILY		CABLE OPTIONS		FIBER COUNT		FIBER TYPE		SUFFIX	
SJ	Sub Jacketed	P	Plenum	012	Strand 8 or 12	CB3510/25	OM1	-C4	Special Jacket Color
		PK	Plenum Armor-Tek	8Bxxx	Subunit design: xxx = strand count 8 fibers per subunit tube: 8B016 to 8B192	EB3010/25	OM3	-C5	Special Jacket Color over Armor
					FB3010/F5	OM4	-L1	Special Print	
				12Bxxx	Subunit Design: xxx = strand count 12 fibers per subunit tube: 12B024 to 12B288	XB3010/X5	OM4+	-2J	Two Jackets
					WB3010/W5	OM5			
						AB0403	OS2 (LT)		

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

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