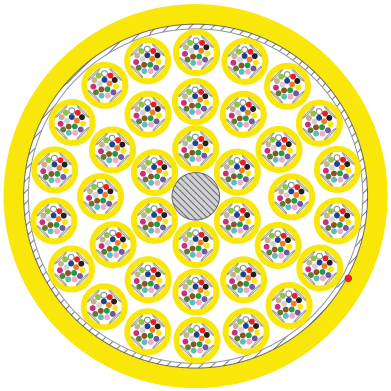
OPT-X SJP Base-16 Indoor Plenum Micro Bundle Cable

APPLICATION

Leviton OPT-X SJP cables with 2.3 mm micro buffer tubes are designed to be used in high-density environments. The cable is rated as OFNP for plenum installations. Available in a 576 fiber count construction, Leviton OPT-X SJP cable is optimized for use in indoor installations. Cables have been thoroughly tested in accordance with ICEA S-83-596, where applicable. The cables support high-density network requirements, and may be used for field terminations in structured cabling installations including data centers, campus, and enterprise backbones.



SPECIFICATION

- NFPA 262 Plenum (OFNP) compliant
- Meets required specifications for communication networking applications
- Optimized access to fiber with simple, off-the-shelf tools
- No cleaning of gels required for installation, greatly reducing installation time and cost
- All dielectric design means grounding requirements are eliminated

FEATURES & BENEFITS

- 2.3 mm space-saving micro buffer tubes housing fibers and aramid strength yarns
- High tensile strength, designed for installation in data centers and indoor enterprise applications backbone installation
- 250 µm bend-optimized OS2 single-mode fiber and OM4 multimode fiber
- All dielectric design

STANDARDS & REGULATIONS

- International EN 50173; ISO/IEC 11801
- National ANSI/ICEA S-83-596; ANSI/TIA-568.3
- ETHERNET: 10BASE – 400GBASE (10BASE, 100BASE, 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

WARRANTY INFORMATION

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

OPT-X SJP Base-16 Indoor Plenum Micro Bundle Cable

Copyright © 2026 Leviton Manufacturing Co., Inc. All rights reserved.
Leviton reserves the right to modify product specifications without notice.

I26 SS4090-CA-US ENv1
Revised September 2026

TECHNICAL SPECIFICATIONS

Construction	
Type of cable	Micro Bundle
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)

FIBER DATA AND SHEATH COLORS

Fiber Type	Part Number Suffix	Leviton Fiber	Core Size	Wave-length (nm)	Maximum Attenuation (dB/km)	Effective Modal Bandwidth @ 850 nm (MHz•km)	Distance (meters)				Sheath Color
							1 GbE	10 GbE	40 GbE	100 GbE	
Multimode - 50 µm Bend Optimized											
OM4	FB3010/F5	FB	50 µm	850/1300	2.8/0.8	4700	1040	550	150	100	Aqua
Single-mode Bend Optimized - ITU-T G.652.D and G.657.A1 Compliant											
OS2	AB0403	AB	SMF	1310/1550	0.4/0.3	N/A	≥ 5000	≥ 10000	≥ 10000	≥ 10000	Yellow

TECHNICAL SPECIFICATIONS

Fiber Count	Fiber Per Tube	Part Number	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
576	16	SJP16B576-L1(LEV)	0.724	18.4	205	306	10.9	27.6	7.2	18.4	1000	4448	300	1335

Copyright © 2026 Leviton Manufacturing Co., Inc. All rights reserved.
Leviton reserves the right to modify product specifications without notice.

I26 SS4090-CA-US ENv1
Revised September 2026

FIBER OPTIC CABLE PART NUMBERING PLATFORM

Sample Part Number: SJ P 16B576 AB0403 -L1(LEV)

CABLE PREFIX

CABLE FAMILY		CABLE OPTIONS		FIBER COUNT	
SJ	Sub Jacketed	P	Plenum	16B576	Subunit Design: 16B = 16 fibers per subunit 576 = total cable fiber count

FIBER SUFFIX

FIBER TYPE		SUFFIX	
FB3010/F5	OM4	-L1	Special Print
AB0403	OS2 (LT)		

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

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com
BERK-TEK™ Cable
+1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
+1 (800) 461 2002
infoCanada@leviton.com

Europe
+44 (0) 1592 772124
infoEurope@leviton.com

Latin America
MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
+971 (4) 247 9800
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.

Copyright © 2026 Leviton Manufacturing Co., Inc. All rights reserved.
Leviton reserves the right to modify product specifications without notice.

I26 SS4090-CA-US ENv1
Revised September 2026