

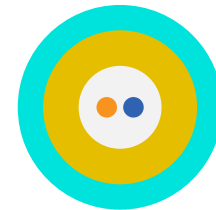


JL-SERIES FIBER OPTIC INTERCONNECT MINI-CENTRAL CORE™ INDOOR – PLENUM

OCC's JL-Series micro-distribution indoor-rated plenum interconnect, available in 2-24 Fibers and ideal for MPO terminations. Available in Yellow Single-Mode and Aqua or Lime Multimode fiber jacket colors.

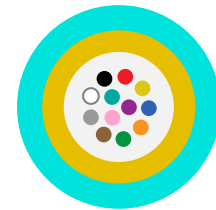
JL-SERIES 2, 12, 16 & 24 FIBER INDOOR PLENUM (OFNP) MINI-CENTRAL CORE™ FIBER OPTIC INTERCONNECT

CABLE CHARACTERISTICS	
JACKET COLOR	Yellow (SM); Aqua (OM3, OM4); or Lime Green (OM5)
JACKET MATERIAL	Indoor Plenum
FIBERS	250 μm



2-FIBER INDOOR PLENUM

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS	
MECHANICAL PERFORMANCE	ICEA S-83-596 Interconnect
OPERATING TEMPERATURE	0°C to +70°C
STORAGE TEMPERATURE	-40°C to +70°C
INSTALLATION TEMPERATURE (ACTUAL TEMPERATURE OF CABLE)	0°C to +70°C
FLAME RETARDANCY	ETL Listed Type OFNP (NFPA 262) and FT6 (CSA C22.2 No. 232)



12-FIBER INDOOR PLENUM

CABLE CHARACTERISTICS

FIBER COUNT	DIAMETER MM (IN)	WEIGHT KG/KM (LBS/1,000FT)	TENSILE LOAD		MINIMUM BEND RADIUS	
			INSTALLATION N (LBS)	OPERATIONAL N (LBS)	INSTALLATION CM (IN)	LONG-TERM CM (IN)
2	2.0 (0.08)	3.2 (2.2)	67 (15)	20 (5)	3.8 (1.5)	1.6 (0.6)
12	2.0 (0.08)	4.3 (2.9)	111 (25)	33 (8)	3.8 (1.5)	1.6 (0.6)
16	3.0 (0.12)	9.3 (6.3)	267 (60)	80 (18)	4.5 (1.8)	2.4 (0.9)
24	3.0 (0.12)	9.3 (6.3)	267 (60)	80 (18)	4.5 (1.8)	2.4 (0.9)

OCC ROANOKE, VA

Corporate Headquarters and Fiber Optic Cable
Manufacturing Facility
5290 Concourse Drive
Roanoke, VA 24019 USA
540.265.0690 or 800.622.7711

OCC DALLAS, TX

Harsh Environment and Specialty Connectivity
Manufacturing Facility
1700 Capital Avenue, Suite 150
Plano, TX 75074 USA
972.509.1500 or 877.509.1500

OCC ASHEVILLE, NC

Enterprise Connectivity
Manufacturing Facility
33 Superior Way
Swannanoa, NC 28778 USA
828.298.2260 or 800.880.7674

VISIT US AT
OCCFIBER.COM



JL-SERIES FIBER OPTIC INTERCONNECT MINI-CENTRAL CORE™ INDOOR – PLENUM

LASER GRADE FIBER PERFORMANCE

Fiber Code	Industry Standard Designation	Core/Cladding Diameter (µm)	Numeric Aperture	Wavelength (nm)	Gigabit Ethernet Distance (m)	10-Gigabit Ethernet Distance (m)	Max. Cabled Attenuation (dB/km)	Minimum Laser EMB Bandwidth* (MHz-km)	Minimum OFL LED Bandwidth** (MHz-km)
ALT	Laser Optimized OM3 Bend Insensitive ISO/IEC 11801	50/125	0.20	850/1310	1000/600	300/300 ^{~2}	3.0/1.0	2000/500	1500/500
ALE	Laser Optimized OM4 Bend Insensitive ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550 ¹ /300 ^{~2}	3.0/1.0	4700/500	3500/500
ALW	Laser Optimized OM5 Bend Insensitive ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550 ¹ /300 ^{~2}	3.0/1.0	4700/500	3500/500
SLB	Bend-Insensitive Low Water Peak Single-Mode ITU-T G.657.A2 & ITU-T G.652.D	9 ⁵ /125	-	1310/1550	5 km ³	10 km ⁴	0.4/0.4	-	-

ORDERING INFORMATION

SERIES		FIBER COUNT			JACKET TYPE	FIBER CODE			245µm FIBER	JACKET COLOR	RATING
J	L	3	4	5	S	7	8	9	J	11	P
1	2	3	4	5	6	7	8	9	10	11	12

* Minimum Laser Effective Modal Bandwidth (EMB)

** For backward compatibility to LED based systems, overfilled launch (OFL)

[~] 1310 nm CWDM lasers (10GBASE-LX4)

1. Reach assuming 3.0 dB maximum cabled attenuation at 850 nm and 1.3 dB total connection and splice loss
2. Supports 220 meter 10GBASE-LRM distance, or 300 meter 10GBASE-LRM distance with 300 meter capable equipment
3. 10 km for 1310 nm 1000BASE-LH, and 5 km for 1310 nm 1000BASE-LX
4. 10 km for 1310 nm 10GBASE-LR, and 40 km for 1550 nm 10GBASE-ER
5. Typical Mode Field Diameter at 1310 nm

- Box No:** 1 – 2 Interconnect Indoor = **JL**
 3 – 5 Fiber Count = **002-024**
 6 Jacket Type: Indoor Plenum = **S**
 7 – 9 Fiber Code: (See Table Above)
 10 245µm Fiber = **J**
 11 **Standard Jacket Color:**
 10 Gigabit Multimode (ALT, ALE): Aqua = **Q**
 10 Gigabit Multimode (ALW): Lime Green = **L**
 Single-Mode (SLB): Yellow = **Y**
 12 Rating: Plenum = **P**

Example: 2-Fiber Indoor Interconnect, Bend Insensitive, OM4 Multimode Fiber, OFNP, Aqua Jacket, Plenum Rated

J L 0 0 2 S A L E J Q P