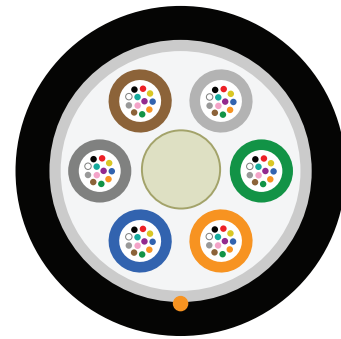


Offering the durability you expect from OCC, these Outside Plant (OSP) Fiber Optic cables offer a stranded loose tube construction, are all-dielectric and gel-free. These OCC cables are **Build America, Buy America Act (BABA)** compliant.

## TL-SERIES FIBER OPTIC CABLE LOOSE TUBE OUTSIDE PLANT



CABLE CHARACTERISTICS	
JACKET COLOR	Black
JACKET MATERIAL	Polyethylene
BUFFER TUBE	2.5mm Gel-Free
FIBERS	250 μm
COMPLIANCE	Build America, Buy America Act

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS	
MECHANICAL PERFORMANCE PERFORMANCE	ICEA S-87-640
OPERATING TEMPERATURE	-40°C to +70°C
STORAGE TEMPERATURE	-40°C to +75°C
INSTALLATION TEMPERATURE (ACTUAL TEMPERATURE OF CABLE)	-30°C to +70°C

## 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)
12	10.2 (0.40)	63 (42)	2700 (600)	800 (180)	15.3 (6.0)	10.2 (4.0)
24	10.2 (0.40)	63 (42)	2700 (600)	800 (180)	15.3 (6.0)	10.2 (4.0)
36	10.2 (0.40)	63 (42)	2700 (600)	800 (180)	15.3 (6.0)	10.2 (4.0)
48	10.2 (0.40)	63 (42)	2700 (600)	800 (180)	15.3 (6.0)	10.2 (4.0)
72	10.5 (0.43)	70 (47)	2700 (600)	800 (180)	15.8 (6.2)	10.5 (4.1)
96	12.0 (0.47)	90 (61)	2700 (600)	800 (180)	18.0 (7.1)	12.0 (4.7)
144	15.7 (0.62)	154 (104)	2700 (600)	800 (180)	23.6 (9.3)	15.7 (6.2)
288	18.2 (0.72)	177 (119)	2700 (600)	800 (180)	27.3 (10.8)	18.2 (7.2)

### 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

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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](http://OCCFIBER.COM)

## 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)
<b>SLA</b>	Bend Insensitive Low Water Peak Single-Mode ITU-T G.657.A1 & ITU-T G.652.D	9 <sup>3</sup> /125	—	1310/1550	5km <sup>1</sup>	10km <sup>2</sup>	0.36/0.22

## ORDERING INFORMATION

- 10 km for 1310 nm 1000BASE-LH, and 5 km for 1310 nm 1000BASE-LX
- 10 km for 1310 nm 10GBASE-LR, and 40 km for 1550 nm 10GBASE-ER
- Typical Mode Field Diameter at 1310 nm

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

- Box No:** 1 – 2 Loose Tube Outside Plant (OSP) = **TL**  
 3 – 5 Fiber Count = **012–288**  
 6 Jacket Type: Outdoor Polyethylene = **A**  
 7 – 9 Fiber Code: **SLA**  
 10 Loose Tube with 245μm Fiber = **J**  
 11 Standard Jacket Color:  
 Black = **K**  
 12 Rating: None = **A**

**Example:** 288 Fiber Outdoor Loose Tube Cable, Bend Insensitive, Single-Mode Fiber, Black Jacket

<b>T</b>	<b>L</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>A</b>	<b>S</b>	<b>L</b>	<b>A</b>	<b>J</b>	<b>K</b>	<b>A</b>
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