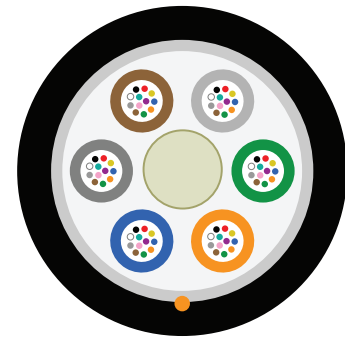


Offering the durability you expect from OCC, these Outside Plant (OSP) Fiber Optic cables offer a stranded loose tube construction, are all-dielectric and gel-free.

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

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

MECHANICAL 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

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

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)
SLA	Bend Insensitive Low Water Peak Single-Mode ITU-T G.657.A1 & ITU-T G.652.D	9 ³ /125	—	1310/1550	5km ¹	10km ²	0.36/0.25

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

T	L	2	8	8	A	S	L	A	J	K	A
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