

# Simplex Cable, Riser



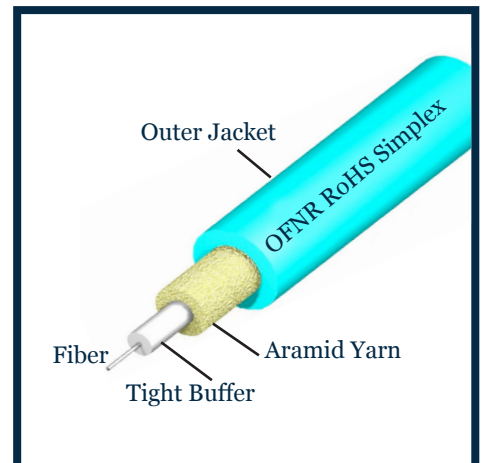
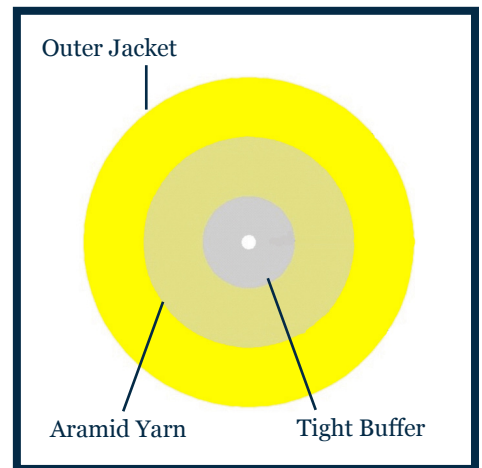
## Features and Benefits

- 3mm, 2mm, 1.8mm and 1.6mm OD sizes to meet all patch cord applications
- Consistent 3.5 – 5 lbs-f for easy stripability of buffer
- Available in custom colors

## Description

The Light Connection Simplex Cable is composed of a tight buffer, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Simplex Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print can also be accommodated.



**Application**  
Riser

**Flame Rating**  
UL1666

# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-20 C to +70 C

## Cable Characteristics

Fiber Count	1
Outer Jacket Material	Flame Retardant PVC
Outer Jacket Color	Available in 12 TIA/EIA color standard
Strength Member	Aramid Yarn
Tight Buffer Material	Flame Retardant PVC
Tight Buffer Color	White

## Physical Characteristics

Physical Characteristics	Value
Nominal Outer Diameter (mm)	2.95 / 1.95 / 1.80 / 1.60
Weight (lbs/km)	17/ 13/ 9/ 6
Minimum Bend Radius (mm) (Bend Insensitive SM)	5/ 10
Minimum Bend Radius (mm) (Bend Insensitive MM)	7.5
Minimum Bend Radius (mm) (SM) 1 turn/100 turns	32/ 50

## Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	–	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	–	–	150 mtr	300 mtr	550 mtr

## Part Numbers

Fiber Count/ Size	Single Mode	OM1	OM2	OM3	OM4
01/ 2.95mm	S09SX01**NRY	M62SX01**NRO	M50SX01**NRA	M50SX01**NRA	M50SX01**NRA
01/ 1.95mm	S09SX01**NRY20	M62SX01**NRO20	M50SX01**NRA20	M50SX01**NRA20	M50SX01**NRA20
01/ 1.80mm	S09SX01**NRY18	M62SX01**NRO18	M50SX01**NRA18	M50SX01**NRA18	M50SX01**NRA18
01/ 1.60mm	S09SX01**NRY16	M62SX01**NRO16	M50SX01**NRA16	M50SX01**NRA16	M50SX01**NRA16

### Fiber Type (9/125)

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

### Fiber Type (50/125)

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

### Fiber Type (62.5/125)

Fiber Type (62.5/125)	**
InfiniCor 300	C3
InfiniCor 1000	C1



132 Base Road  
Oriskany, NY, 13424  
Phone: 315-736-7384  
Fax: 315-736-1927  
Toll free: 1-888-571-7111  
sales@thelightconnection.com  
www.thelightconnection.com