

# Simplex Cable, Plenum



## 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

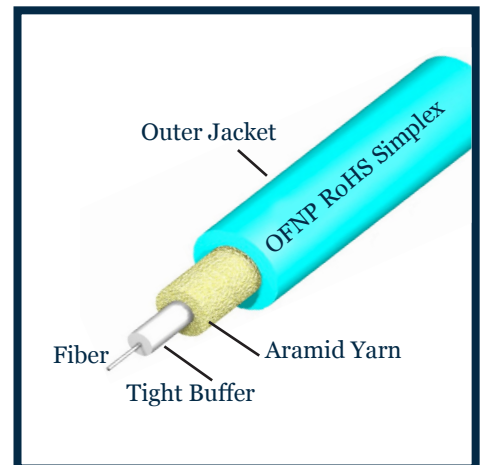
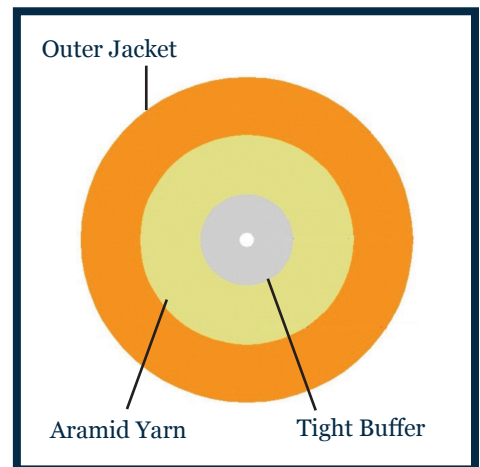
## Description

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 OFNP 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**  
Plenum

**Flame Rating**  
NFPA262



# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 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)	20/ 14/ 10/ 7
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**NPY	M62SX01**NPO	M50SX01**NPA	M50SX01**NPA	M50SX01**NPA
01/ 1.95mm	S09SX01**NPY20	M62SX01**NPO20	M50SX01**NPA20	M50SX01**NPA20	M50SX01**NPA20
01/ 1.80mm	S09SX01**NPY18	M62SX01**NPO18	M50SX01**NPA18	M50SX01**NPA18	M50SX01**NPA18
01/ 1.60mm	S09SX01**NPY16	M62SX01**NPO16	M50SX01**NPA16	M50SX01**NPA16	M50SX01**NPA16

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
SMF28e+	C	Clear Curve OM3	CG	InfiniCor 1000	C1
ClearCurve XB	CB	ClearCurve OM4	C4		
ClearCurve LBL	C7				
ClearCurve ZBL	CC				



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