

# Duplex 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
- Available in custom colors

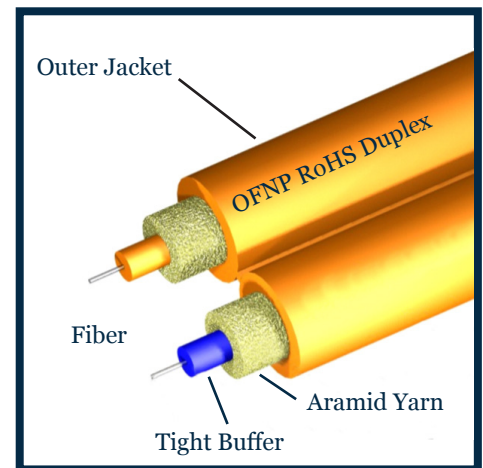
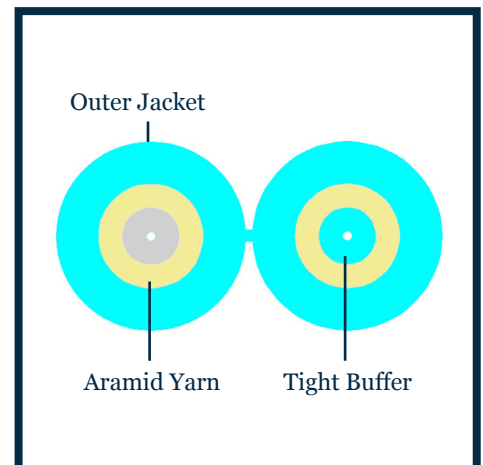
## Description

The Light Connection Duplex 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 Duplex 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. Contact our sales team for cables designed to your specifications.

**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	2
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 & Aqua for (MM 50/125 fiber), Blue & Orange for (SM 9/125 and MM 62.5/125 fiber)

## Physical Characteristics

Nominal Outer Diameter (mm)	2.95 x 5.95/ 1.95 x 3.95/ 1.80 x 3.65/ 1.60 x 3.25
Weight (lbs/km)	40/ 28/ 20/ 14
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
02/ 2.95mm	S09DX02**NPY	M62DX02**NPO	M50DX02**NPA	M50DX02**NPA	M50DX02**NPA
02/ 1.95mm	S09DX02**NPY20	M62DX02**NPO20	M50DX02**NPA20	M50DX02**NPA20	M50DX02**NPA20
02/ 1.80mm	S09DX02**NPY18	M62DX02**NPO18	M50DX02**NPA18	M50DX02**NPA18	M50DX02**NPA18
02/ 1.60mm	S09DX02**NPY16	M62DX02**NPO16	M50DX02**NPA16	M50DX02**NPA16	M50DX02**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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