

# Round Duplex Cable, Plenum



## Features and Benefits

- Consistent 3.5 – 5 lbs-f for easy stripability
- Available in custom colors

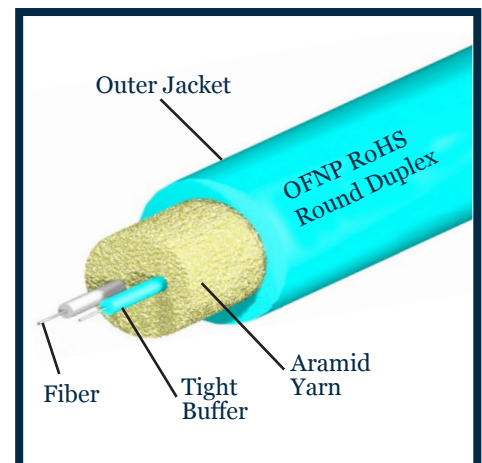
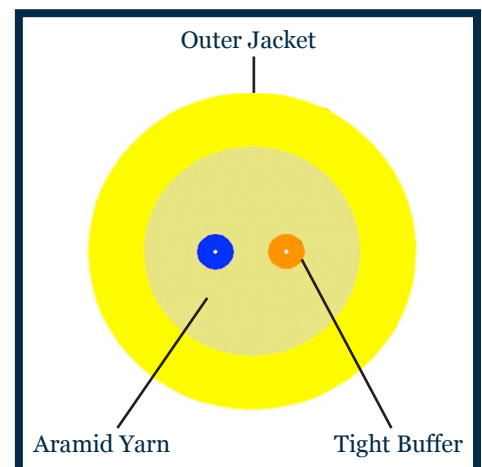
## Description

The Light Connection Round Duplex Cable is composed of two tight buffers, 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.

**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)	2.85
Weight (lbs/km)	21
Minimum Bend Radius (cm) Installation	4.27
Minimum Bend Radius (cm) Operation	2.85

## 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	S09RX02**NPY	M62RX02**NPO	M50RX02**NPA	M50RX02**NPA	M50RX02**NPA

### Fiber Type (9/125)

Fiber Type	**
SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

### Fiber Type (50/125)

Fiber Type	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

### Fiber Type (62.5/125)

Fiber Type	**
InfiniCor 300	C3
InfiniCor 1000	C1



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