

# Round Duplex Cable, Plenum

[www.TheLightConnection.com](http://www.TheLightConnection.com)

## Features and Benefits

- Available in custom colors

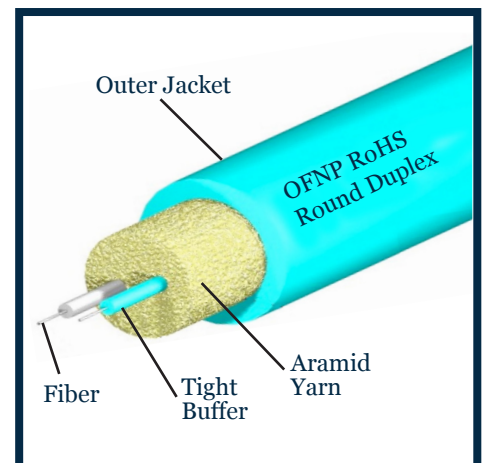
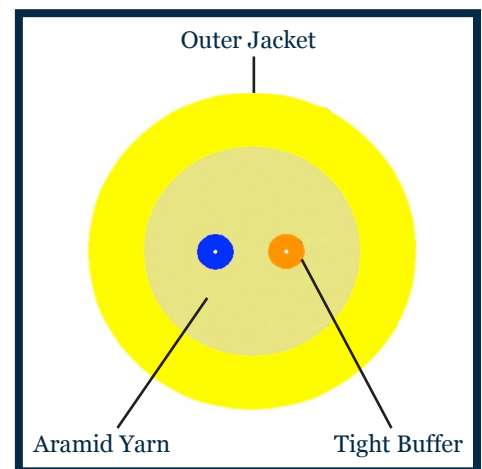
## Description

The Light Connection, Inc. Round Duplex Cable is composed of two tight buffered optical fibers, 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 unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

**Application**  
Plenum

**Flame Rating**  
NFPA 262



# 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 (OM4+)	OM5 (WB MMF)
Core Size [ $\mu\text{m}$ ]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.5/ 1.5	3.5/1.5	3.0/ 1.0	3.0/ 1.0	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	-	220 @850	750@850	2,000 @850	4,700 @850	4,700@850

## Part Numbers

Size	Single Mode	OM1	OM2	OM3-OM4	OM5
2.85	S09RX02**NPY	M62RX02**NPO	M50RX02**NPO	M50RX02**NPA	M50RX02**NPLG

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4
ClearCurve OM5	C5

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



Specifications are subject to change without notice.



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