

Duplex Cable, Riser

www.TheLightConnection.com

Features and Benefits

- 3mm, 2mm, 1.8mm and 1.6mm OD sizes to meet all patch cord applications
- Available in custom colors

Description

The Light Connection, Inc. 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.

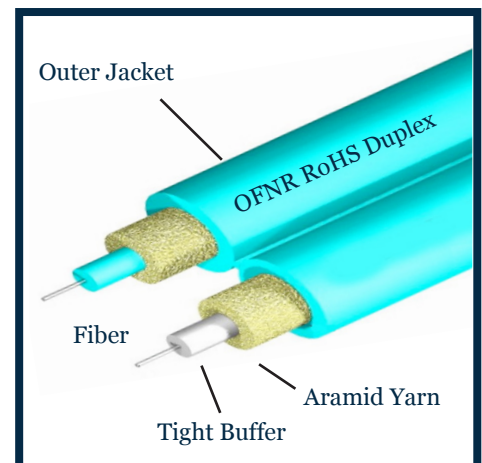
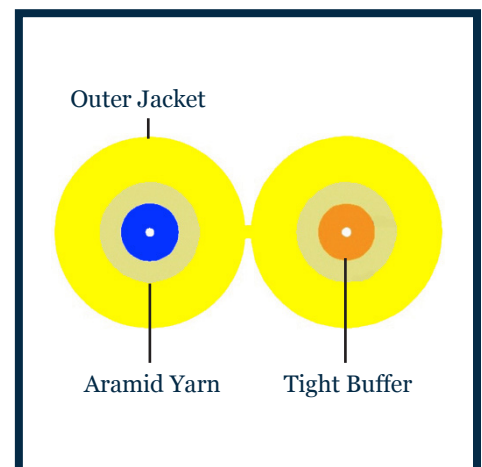
TLC Duplex Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may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

Application

Riser

Flame Rating

UL 1666
UL 1685 (FT4)



SPECIFICATIONS

Temperature Range	
Storage Temperature	-40 C to +70 C
Operating Temperature	-20 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 6.05/ 1.95 x 4.05/ 1.80 x 3.75/ 1.60 x 3.35
Weight (lbs/km)	34/ 26/ 18/ 12
Minimum Bend Radius (mm) (Bend Insensitive SM 1 turn)	10
Minimum Bend Radius (mm) (Bend Insensitive MM)	7.5

Optical Characteristics						
Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	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
2.95mm	S09DX02**NRY	M62DX02**NRO	M50DX02**NRO	M50DX02**NRA	M50DX02**NRLG
1.95mm	S09DX02**NRY20	M62DX02**NRO20	M50DX02**NRO20	M50DX02**NRA20	M50DX02**NRLG 20
1.80mm	S09DX02**NRY18	M62DX02**NRO18	M50DX02**NRO18	M50DX02**NRA18	M50DX02**NRLG 18
1.60mm	S09DX02**NRY16	M62DX02**NRO16	M50DX02**NRO16	M50DX02**NRA16	M50DX02**NRLG 16

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
ClearCurve LBL	C7	Clear Curve OM3	CG		
ClearCurve ZBL	CC	ClearCurve OM4	C4		
		ClearCurve OM5	C5		