

# 2-24 Fiber Distribution Cable, Plenum



## Features and Benefits

- 900µm Tight Buffers
- Aramid yarn strength members
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Durable jacket offers added protection during installation and in rugged use applications

## Description

The Light Connection, Inc. Distribution Cable is composed of 2 to 24 colored tight buffered optical fibers, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

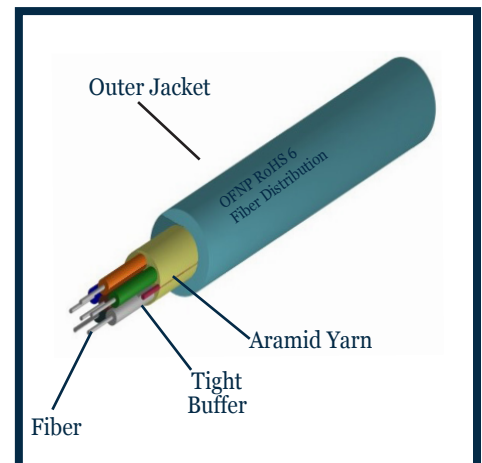
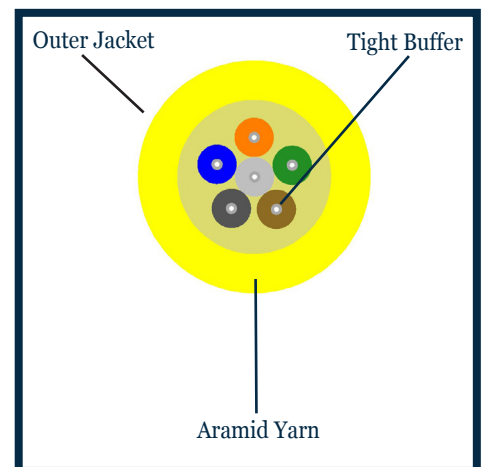
TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print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

## Application

Plenum

## Flame Rating

NFPA262



# SPECIFICATIONS

<b>Temperature Range</b>	Indoor
Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

<b>Cable Characteristics</b>	
Fiber Count	2, 4, 6, 8, 12, 24
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	Available in 12 TIA/ EIA color standard

<b>Physical Characteristics</b>	Value (2/ 4/ 6/ 8/ 12/ 24 fiber count)
Nominal Outer Diameter (mm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8
Weight (lbs/ km)	44/ 48/ 57/ 73/ 81/ 138
Minimum Bend Radius, Installation (cm)	6.6/ 6.6/ 7.2/ 8.7/ 8.7/ 11.7
Minimum Bend Radius, Operation (cm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8

<b>Optical Characteristics</b>						
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 @850nm	750@850	2,000 @850	4,700 @850	4,700@850

<b>Part Numbers</b>					
Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5 (WB MMF)
2	S09DI02**NPY	M62DI02**NPO	M50DI02**NPO	M50DI02**NPA	M50DI02**NPLG
4	S09DI04**NPY44	M62DI04**NPO44	M50DI04**NPO44	M50DI04**NPA44	M50DI04**NPLG44
6	S09DI06**NPY48	M62DI06**NPO48	M50DI06**NPO48	M50DI06**NPA48	M50DI06**NPLG48
8	S09DI08**NPY58	M62DI08**NPO58	M50DI08**NPO58	M50DI08**NPA58	M50DI08**NPLG58
12	S09DI12**NPY58	M62DI12**NPO58	M50DI12**NPO58	M50DI12**NPA58	M50DI12**NPLG58
24	S09DI24**NPY78	M62DI24**NPO78	M50DI24**NPO78	M50DI24**NPA78	M50DI24**NPLG78

<b>Fiber Type (9/125)</b>	<b>**</b>	<b>Fiber Type (50/125)</b>	<b>**</b>	<b>Fiber Type (62.5/125)</b>	<b>**</b>
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		