

# 2-24 Fiber Distribution Cable, Plenum



## Features and Benefits

- 900µm Tight Buffers
- Aramid yarn strength members
- OFNP(Plenum) rated construction
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Buffers strip consistently between 3.5 – 5 lbs-f, helpful for onsite termination
- Durable jacket offers added protection during installation and in rugged use applications

## Description

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

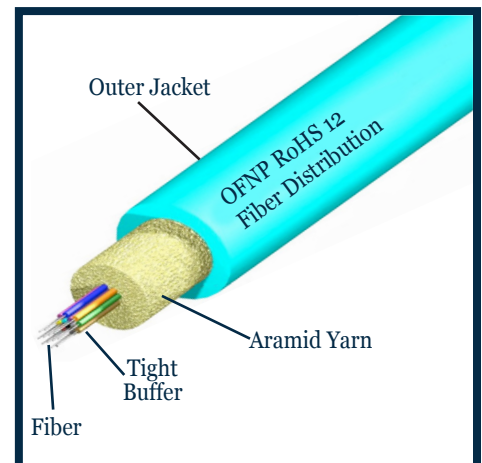
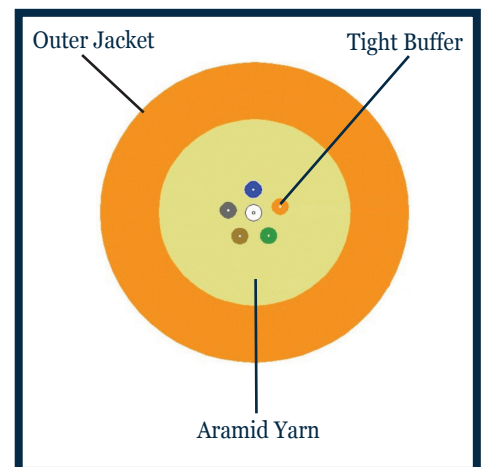
TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.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

## Application

Plenum

## Flame Rating

NFPA262



# SPECIFICATIONS

<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
Nominal Outer Diameter (mm) of 2, 4, 6, 8, 12, 24 (fiber count)	4.40/ 4.80/ 5.30/ 5.80/ 6.30/ 8.10
Weight (lbs/ km) of 2, 4, 6, 8, 12, 24 (fiber count)	40/ 52/ 64/ 87/ 115/ 140
Minimum Bend Radius, Installation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)	6.6/ 7.2/ 7.95/ 8.7/ 9.45/ 12.15
Minimum Bend Radius, Operation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)	4.40/ 4.80/ 5.30/ 5.80/ 6.30/ 8.10

<b>Optical Characteristics</b>					
Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	8.2 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

<b>Part Numbers</b>					
Fiber Count	Single Mode	OM1	OM2	OM3	OM4
2	S09DI02**NPY	M62DI02**NPO	M50DI02**NPA	M50DI02**NPA	M50DI02**NPA
4	S09DI04**NPY	M62DI04**NPO	M50DI04**NPA	M50DI04**NPA	M50DI04**NPA
6	S09DI06**NPY	M62DI06**NPO	M50DI06**NPA	M50DI06**NPA	M50DI06**NPA
8	S09DI08**NPY	M62DI08**NPO	M50DI08**NPA	M50DI08**NPA	M50DI08**NPA
12	S09DI12**NPY	M62DI12**NPO	M50DI12**NPA	M50DI12**NPA	M50DI12**NPA
24	S09DI24**NPY	M62DI24**NPO	M50DI24**NPA	M50DI24**NPA	M50DI24**NPA

<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
SMF28e+	C	Clear Curve OM3	CG	InfiniCor 1000	C1
ClearCurve XB	CB	ClearCurve OM4	C4		
ClearCurve LBL	C7				
ClearCurve ZBL	CC				