

# 2-72 Fiber Dry Loose Tube Indoor-Outdoor Cable, Riser

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

## Features and Benefits

- Gel-Free waterblocked design
- UV protected rugged jacket
- 2 thru 72 fiber count
- Available in all fiber types

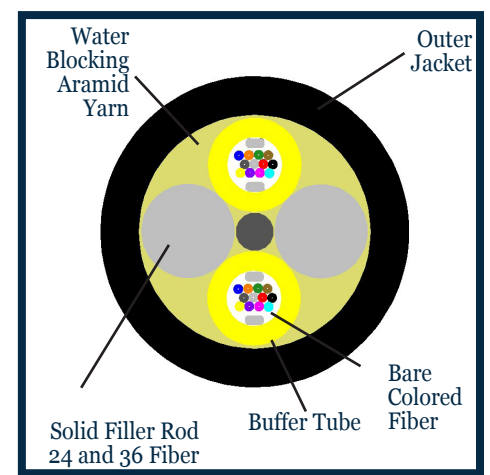
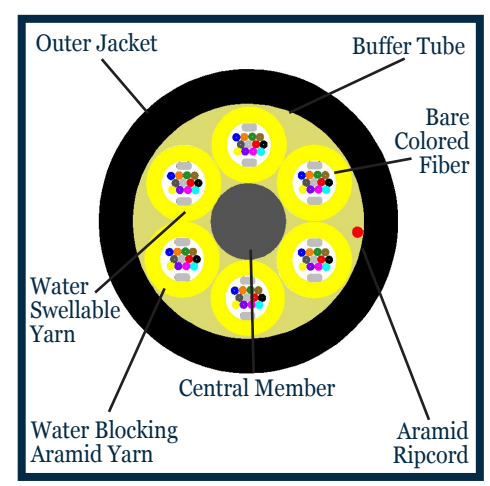
## Description

The Light Connection, Inc. Dry Loose Tube Cable is composed of one to six buffer tubes, solid filler rods (where applicable), water blocking aramid yarn, central strength member (24 fiber and above), an aramid ripcord, and a PVC outer jacket. Each buffer tube consists of 2 to 12 colored optical fibers and water-swallowable yarn with a PVC jacket 2.5mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Buffer tubes may be color-coded or sequentially numbered.

TLC Dry Loose Tube Indoor-Outdoor cable is available in carbon black or special-order colors (including 12 TIA standard colors). UL Listed OFNR cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, fiber type, and includes footage markers. Custom print may also be accommodated.

**Application**  
 Riser  
 Duct  
 Indoor/Outdoor

**Flame Rating**  
 UL 1666  
 UL1685 (FT4)



# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-40 C to +70 C

## Cable Characteristics

Fiber Count	2-12, 24, 36, 48, 72
Outer Jacket Material	Flame Retardant PVC
Buffer Tubes	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member(N/A 2-12Fiber)	Fiber Reinforced Rod
Coating on Central Strength Member	Flame Retardant PVC

## Physical Characteristics

Value (2-12 / 24 / 36 / 48 / 72 fiber count)

Nominal Outer Diameter (mm)	4.8/ 8.5/ 8.5/ 8.5/ 10.4
Weight (lbs/ km)	64/ 150/ 153/ 156/ 225
Minimum Bend Radius, Installation (cm)	7.2/ 12.8/ 12.8/ 12.8/ 15.6
Minimum Bend Radius, Operation (cm)	4.8/ 8.5/ 8.5/ 8.5/ 10.4

## 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]	1,310/1,550	850/1,300	850/1,300	850/1,300	850/1,300	850/1,300
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 (1/10 Gb/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

Fiber Count	Single Mode	OM1	OM2 - OM5
2-12	S09DL#***NRBL25	M62DL#***NRBL25	M50DL#***NRBL25
24	S09DL24**NRBL25	M62DL24**NRBL25	M50DL24**NRBL25
36	S09DL36**NRBL25	M62DL36**NRBL25	M50DL36**NRBL25
48	S09DL48**NRBL25	M62DL48**NRBL25	M50DL48**NRBL25
72	S09DL72**NRBL25	M62DL72**NRBL25	M50DL72**NRBL25

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 WBMMF	C5		



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