

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



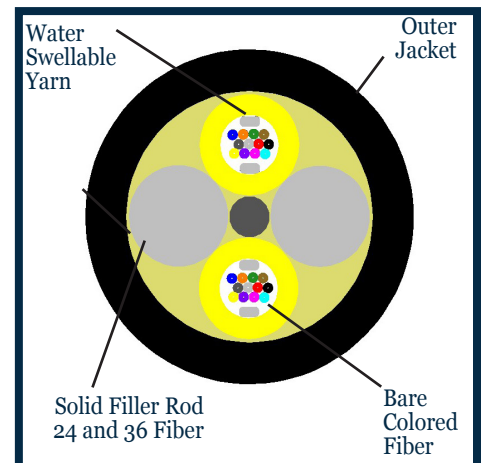
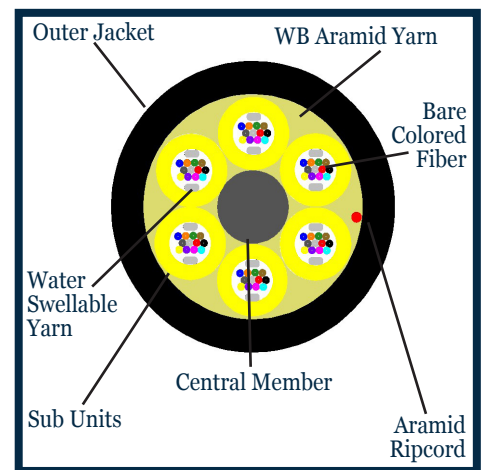
## Features and Benefits

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

## Description

The Light Connection multi-tube Dry Loose Tube Indoor-Outdoor Cable is composed of one to six sub-units, water blocking aramid yarn, central strength member, optional solid filler rods, and a PVC outer jacket. Each sub-unit consists of 2 to 12 colored optical fibers and water-swellable yarn with a PVC jacket 2.5mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Sub-units can be color-coded or sequentially numbered.

TLC Dry Loose Tube 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  
Duct  
Indoor/Outdoor

## Flame Rating

NFPA262

# 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
Sub Units	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Coating on Central Strength Member	Flame Retardant PVC

## Physical Characteristics

	Value
Nominal Outer Diameter (mm) of 2-12, 24, 36, 48, 72 (fiber count)	4.8/ 8.5/ 8.5/ 8.5/ 10.4
Weight (lbs/ km) of 2-12, 24, 36, 48, 72 (fiber count)	78/ 150/ 150/ 182/ 252
Minimum Bend Radius, Installation (cm) of 2-12, 24, 36, 48, 72 (fiber count)	7.2/ 12.8/ 12.8/ 12.8/ 15.6
Minimum Bend Radius, Operation (cm) of 2-12, 24, 36, 48, 72 (fiber count)	4.8/ 8.5/ 8.5/ 8.5/ 10.4

## Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	9 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

## Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3	OM4
2-12	S09DL##**NPBL25	M62DL##**NPBL25	M50DL##**NPBL25	M50DL##**NPBL25	M50DL##**NPBL25
24	S09DL24**NPBL25	M62DL24**NPBL25	M50DL24**NPBL25	M50DL24**NPBL25	M50DL24**NPBL25
36	S09DL36**NPBL25	M62DL36**NPBL25	M50DL36**NPBL25	M50DL36**NPBL25	M50DL36**NPBL25
48	S09DL48**NPBL25	M62DL48**NPBL25	M50DL48**NPBL25	M50DL48**NPBL25	M50DL48**NPBL25
72	S09DL72**NPBL25	M62DL72**NPBL25	M50DL72**NPBL25	M50DL72**NPBL25	M50DL72**NPBL25

### 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

### Fiber Type (62.5/125) \*\*

InfiniCor 300	C3
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