

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

www.TheLightConnection.com

Features and Benefits

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

Description

The Light Connection, Inc. multi-tube Dry Loose Tube Indoor-Outdoor Cable is composed of one to six buffer tubes, water blocking aramid yarn, central strength member (24 fiber and above), solid filler rods (where applicable), 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.

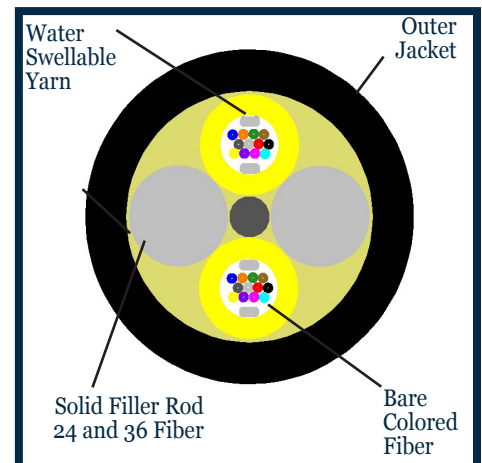
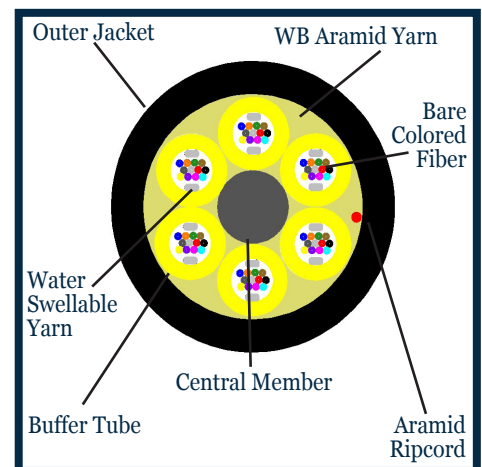
TLC Dry Loose Tube is available in carbon black colors or special-order colors (including 12 TIA standard). UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage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

Application

Plenum
Duct
Indoor/Outdoor

Flame Rating

NFPA 262



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)	78 / 150 / 150 / 182 / 252
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###NPBL25	M62DL###NPBL25	M50DL###NPBL25
24	S09DL24**NPBL25	M62DL24**NPBL25	M50DL24**NPBL25
36	S09DL36**NPBL25	M62DL36**NPBL25	M50DL36**NPBL25
48	S09DL48**NPBL25	M62DL48**NPBL25	M50DL48**NPBL25
72	S09DL72**NPBL25	M62DL72**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
ClearCurve OM5	C5

Fiber Type (62.5/125) **

InfiniCor 300	C3
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