

96 & 144 Fiber Dry Loose Tube Indoor-Outdoor Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- Gel-Free waterblocking design
- UV protected rugged jacket
- 96 & 144 fiber count
- Available in all fiber types

Description

The Light Connection multi-tube Dry Loose Tube Indoor-Outdoor Cable is composed of eight and twelve buffer tubes, water blocking yarn, a central strength member, an aramid ripcord, and a PVDF outer jacket. Each buffer tube consists of a 12 colored glass fibers and water-swellable yarn with a PVDF 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.

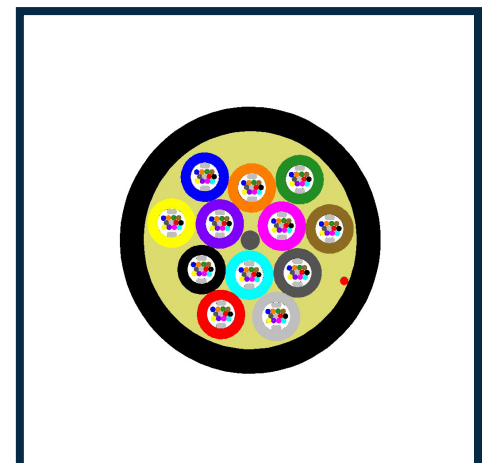
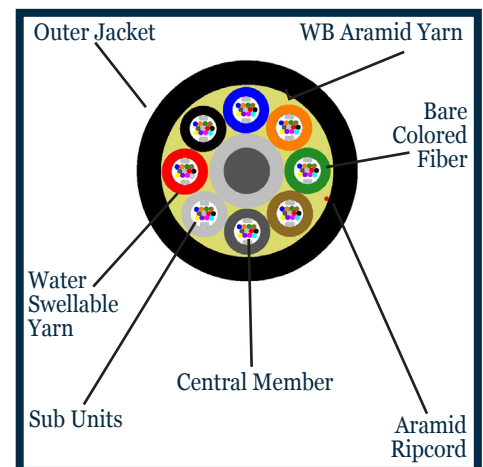
TLC Dry Loose Tube is available in carbon black or special-order colors (including 12 TIA standard colors). UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage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

Application

Plenum
Duct
Indoor/Outdoor

Flame Rating

NFPA 262
FT6



SPECIFICATIONS

Temperature Range

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

Cable Characteristics

Fiber Count	96/144
Outer Jacket Material	PVDF
Buffer Tubes	PVDF
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Coating on Central Strength Member	Flame Retardant PVC(if applicable)

Physical Characteristics

Value 96/144 (fiber count)

Nominal Outer Diameter (mm)	12.0/ 13.0
Weight (lbs/ km)	325/ 388
Minimum Bend Radius, Installation (cm)	18.0/ 19.5
Minimum Bend Radius, Operation (cm)	12.0/13.0

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
96	S09DL96**NPBL25	M62DL96**NPBL25	M50DL96**NPBL25
144	S09DL144**NPBL25	M62DL144**NPBL25	M50DL144**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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Specifications are subject to change without notice.