

96-144 Fiber Indoor-Outdoor Cable, Riser



Features and Benefits

- 900um Tight Buffers
- Water-Blocking Aramid Yarn Strength Member
- UV Resistant Jacket, OFNR Rated Construction
- Exclusive use of Corning optical fibers
- Jacket print ensures product identification and fiber compatibility.
- Durable jacket offers added protection during installation and in rugged use applications.

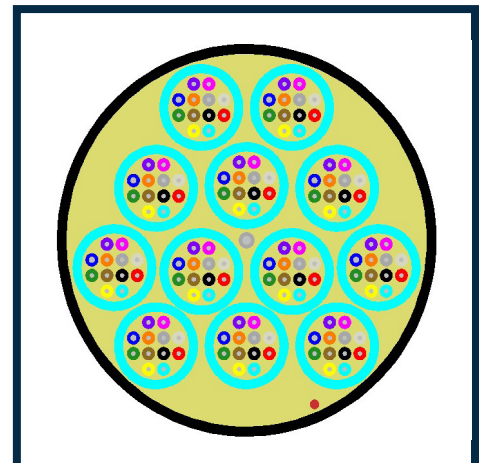
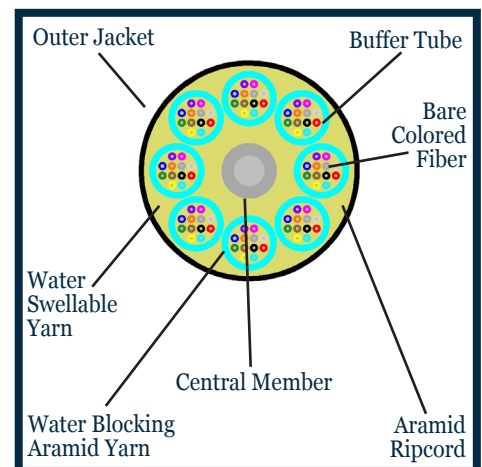
Description

The Light Connection, Inc. multi-tube Dry Loose Tube Cable is composed of eight and twelve buffer tubes, water blocking yarn, a central strength member, an aramid ripcord, and a PVC outer jacket. Each buffer tube consists of a 12 colored bare 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. Buffer tubes may be color-coded or sequentially numbered.

TLC Indoor-Outdoor cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and 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 may also be accommodated.

Application
Riser

Flame Rating
UL1666
UL1685 (FT4)



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	Flame Retardant PVC
Buffer Tubes	Flame Retardant PVC
Strength Member	Water Blocking Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Coating on Central Strength Member	Flame Retardant PVC

Physical Characteristics Value (96/144 fiber count)

Nominal Outer Diameter (mm)	22.5/25.1
Weight (lbs/ km)	938 /1050
Minimum Bend Radius, Installation (cm)	45.8/50.2
Minimum Bend Radius, Operation (cm)	22.9/25.1

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	OM3-OM4	OM5
96	S09IO96**NRBL-Y	M62IO96**NRBL-O	M50IO96**NRBL-O	M50IO96**NRBL-A	M50IO96**NRBL-LG
144	S09IO144**NRBL-Y	M62IO144**NRBL-O	M50IO144**NRBL-O	M50IO144**NRBL-A	M50IO144**NRBL-LG

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	C5		



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Specifications are subject to change without notice.