

# 96-144 Fiber Distribution Cable, Riser



## Features and Benefits

- 900µm Tight Buffers
- Aramid yarn strength members
- 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. Distribution Cable is composed of eight to twelve sub-units, aramid yarn, and a PVC outer jacket. Each buffer tube consists of 12 colored tight buffered optical fibers, and aramid yarn, within a 5.6mm PVC jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unlisted, 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.

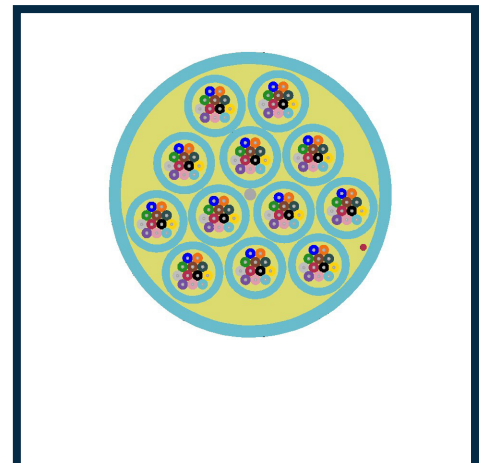
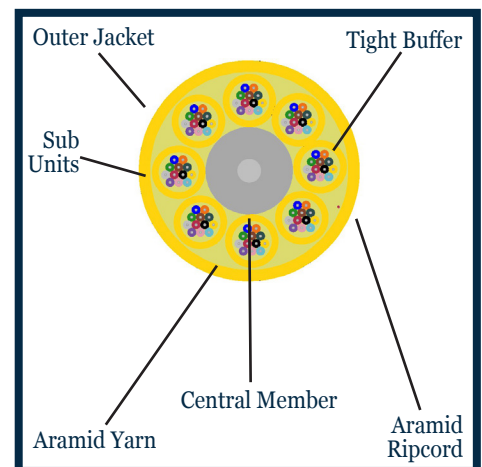
## Application

Riser

## Flame Rating

UL1666

UL1685(FT4)



# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-20 C to +70 C

## Cable Characteristics

Fiber Count	96-144
Outer Jacket Material	Flame Retardant PVC
Buffer Tube Material	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod (PVC coated, if applicable)
Tight Buffer Material	Flame Retardant PVC

## Physical Characteristics

Physical Characteristics	Value
Nominal Outer Diameter (mm) 96, 144	22.9/ 25.1
Weight (lbs/ km) 96, 144	938/ 1050
Minimum Bend Radius, Installation (cm) 96, 144	45.8/50.2
Minimum Bend Radius, Operation (cm) 96, 144	22.9/25.1

## Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [ $\mu\text{m}$ ]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
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 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)

## Part Numbers

Fiber Count	Single Mode	OM1	OM3	OM4	OM5 (WBMMF)
96	S09DI96**NRY-Y	M62DI96**NRO-O	M50DI96**NRA-A	M50DI96**NRA-A	M50DI96**NRLG-LG
144	S09DI144**NRY-Y	M62DI144**NRO-O	M50DI144**NRA-A	M50DI144**NRA-A	M50DI144**NRLG-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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