

# 288 Fiber Micro Distribution with 2mm buffer tubes, Plenum

[www.TheLightConnection.com](http://www.TheLightConnection.com)

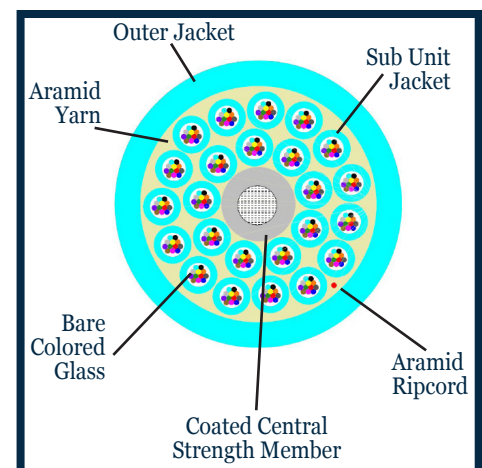
## Features and Benefits

- Ultra space-saving designs
- 250µm color-coded bare fiber
- 12 bare fibers per subunit with total 288 fibers
- Available in all fiber types
- Meets the application requirement of National Electric Code (NEC) Article 770 and are OFNP-rated

## Description

The Light Connection, Inc. 288 fiber Micro Distribution Cable is composed of twenty-four buffer tubes, a central member, aramid yarn, an aramid ripcord, and a PVDF outer jacket. Each buffer tube consists of 12 colored glass fibers surrounded by aramid yarn with a PVC jacket 2.00 mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Buffer tubes may be color-coded or sequentially numbered.

TLC Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP 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

Plenum  
Data Centers

## Flame Rating

NFPA 262

# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

## Cable Characteristics

Fiber Count	288
Outer Jacket Material	Flame Retardant PVDF
Buffer tubes	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod upjacketed with PVC

## Mechanical Characteristics

Value (288 fiber count)

Nominal Outer Diameter (mm)	14.3
Weight (lbs/ km)	556
Minimum Bend Radius, Installation (cm)	28.6
Minimum Bend Radius, Operation (cm)	14.3

## 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)
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
288	S09MD288**NPY20-Y	M62MD288C3NPO20-O	M50MD288C2NPO20-O	M50MD288**NPA20-A	M50MD288C5NPLG20-LG

### 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
---------------	----



132 Base Road  
Oriskany, NY, 13424  
Phone: 315-736-7384  
Fax: 315-736-1927  
Toll free: 1-888-571-7111  
sales@thelightconnection.com  
www.thelightconnection.com