

High-Density Micro Distribution, Plenum

www.TheLightConnection.com

Features and Benefits

- 250µm colored bare fibers
- Small O.D. for tight spaces
- NFPA262(Plenum)
- Available in all fiber types
- Meets the application requirement of National Electric Code (NEC) Article 770

Description

The Light Connection, Inc. High Density Micro Distribution Cable is composed of two contrasting color bound bundles of 12 colored glass optical fibers, aramid yarn, and a PVDF outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

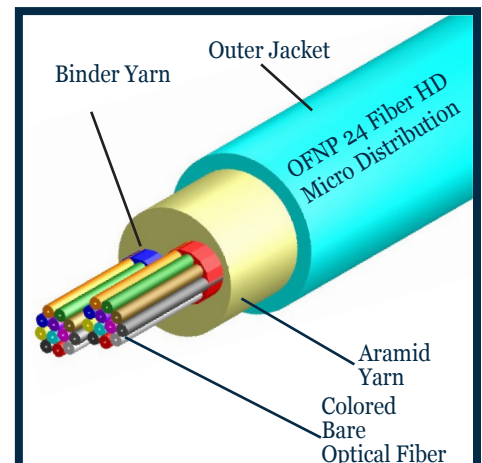
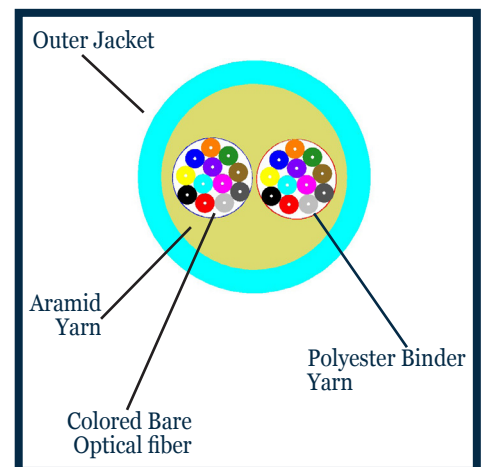
TLC High Density Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers. Custom print may also be accommodated.

Application

Plenum
Data Centers

Flame Rating

NFPA 262



SPECIFICATIONS

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

Cable Characteristics	
Fiber Count	24
Outer Jacket Material	PVDF
Sub Units	Polyester Binder Yarn
Strength Member	Aramid Yarn

Physical Characteristics	Value
Nominal Outer Diameter (mm)	2.95/3.80
Weight (lbs/ km)	25/ 30
Minimum Bend Radius, Installation (cm)	4.5/ 5.7
Minimum Bend Radius, Operation (cm)	3.0/ 3.8

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]	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 (WB MMF)
24	So9HD24**NPY	M62HD24**NPO	M50HD24**NPO	M50HD24**NPA	M50HD24**NPLG
24	So9HD24**NPY38	M62HD24**NPO38	M50HD24**NPO38	M50HD24**NPA38	M50HD24**NPLG38

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		



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

Specifications are subject to change without notice.