

High-Density Micro Distribution, Plenum



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 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.

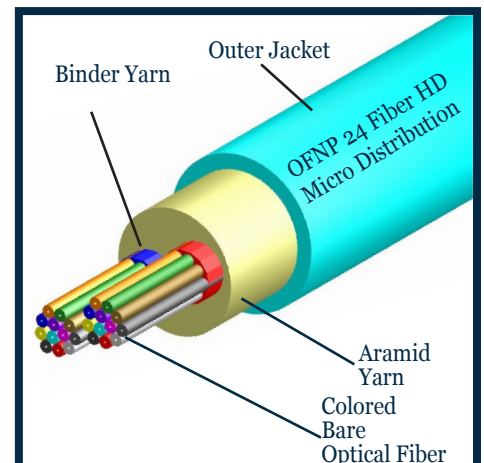
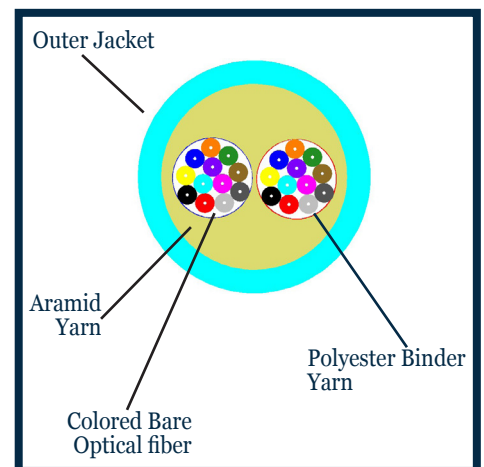
TLC Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, and unlisted, unrated cable can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers.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

Application

Plenum
Data Centers

Flame Rating

NFPA262



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	Polyvinylidene fluoride
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
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	–	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	–	–	150 mtr	300 mtr	550 mtr

Part Numbers					
Fiber Count	Single Mode	OM1	OM2	OM3	OM4
24	S09HD24**NPY	M62HD24**NPO	M50HD24**NPO	M50HD24**NPA	M50HD24**NPA
24	S09HD24**NPY38	M62HD24**NPO38	M50HD24**NPO38	M50HD24**NPA38	M50HD24**NPA38

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	InfiniCor 1000	C1
ClearCurve ZBL	CC	ClearCurve OM4	C4		