

2-96 Fiber 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 2-96 fiber Micro Distribution Cable is composed of single tube or two to eight sub units, an optional central member, aramid yarn, an aramid ripcord, and a PVC outer jacket. Each sub-unit consists of 12 colored glass fibers surrounded by aramid yarn with a PVC jacket 2.95mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Sub-units can be color-coded or sequentially numbered.

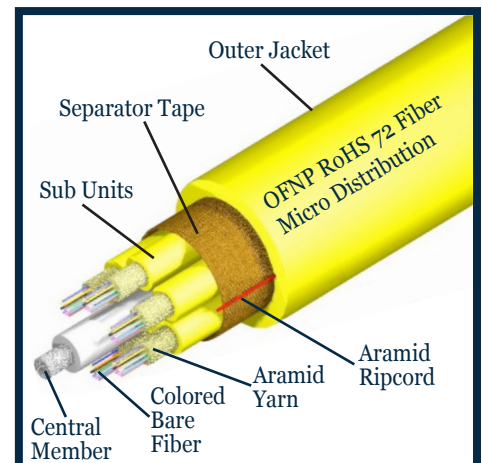
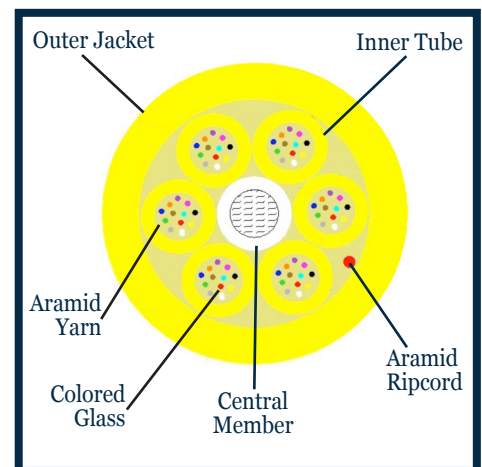
TLC Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, and unlisted, unrated cable can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers. 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	2-12, 24, 36, 48, 72, 96
Outer Jacket Material	Flame Retardant PVC
Sub Units	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Plastic Rod
Coating on Central Strength Member	Flame Retardant PVC

Physical Characteristics	Value
Nominal Outer Diameter (mm) of 2-12, 24, 36, 48, 72, 96 (fiber count)	2.95/ 8.2/ 8.25/ 8.6/ 10.5/ 13.0
Weight (lbs/ km) of 2-12, 24, 36, 48, 72, 96 (fiber count)	23/ 105/ 130/ 170/ 252/ 334
Minimum Bend Radius, Installation (cm) of 2-12, 24, 36, 48, 72, 96 (fiber count)	4.45/ 12.3/ 12.35/ 12.9/ 15.75/ 19.5
Minimum Bend Radius, Operation (cm) of 2-12, 24, 36, 48, 72, 96 (fiber count)	2.95/ 8.2/ 8.25/ 8.6/ 10.5/ 13.0

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
2-12	S09MD##**NPY	M62MD##**NPO	M50MD##**NPA	M50MD##**NPA	M50MD##**NPA
24	S09MD24**NPY-TW	M62MD24**NPO-TW	M50MD24**NPA-TW	M50MD24**NPA-TW	M50MD24**NPA-TW
24	S09MD24**NPY2T-Y	M62MD24**NPO2T-O	M50MD24**NPA2T-A	M50MD24**NPA2T-A	M50MD24**NPA2T-A
36	S09MD36**NPY3T-Y	M62MD36**NPO3T-O	M50MD36**NPA3T-A	M50MD36**NPA3T-A	M50MD36**NPA3T-A
48	S09MD48**NPY4T-Y	M62MD48**NPO4T-O	M50MD48**NPA4T-A	M50MD48**NPA4T-A	M50MD48**NPA4T-A
72	S09MD72**NPY6T-Y	M62MD72**NPO6T-O	M50MD72**NPA6T-A	M50MD72**NPA6T-A	M50MD72**NPA6T-A
96	S09MD96**NPY-Y	M62MD96**NPO-O	M50MD96**NPA-A	M50MD96**NPA-A	M50MD96**NPA-A

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
SMF28e+	C	Clear Curve OM3	CG	InfiniCor 1000	C1
ClearCurve XB	CB	ClearCurve OM4	C4		
ClearCurve LBL	C7				
ClearCurve ZBL	CC				



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