

96 & 144 Fiber Micro Distribution with 2mm buffer tubes, Plenum



Features and Benefits

- Ultra space-saving designs
- 250µm color-coded bare fiber
- 12 bare fibers per subunit up to 144 fiber constructions
- Available in all fiber types
- Meets the application requirement of National Electric Code (NEC) Article 770 and are OFNP-rated

Description

The Light Connection 96 & 144 fiber Micro Distribution Cable is composed of eight to twelve 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 2.00 mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Sub-units can be color-coded or sequentially numbered.

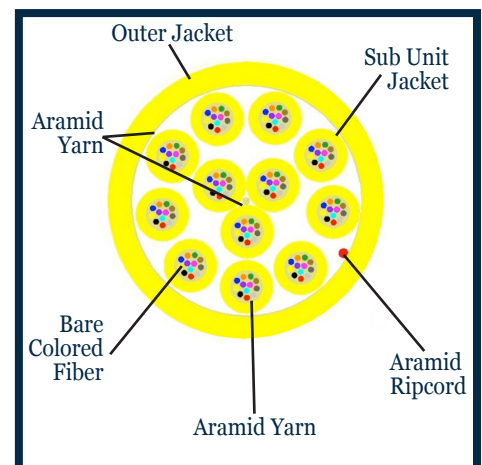
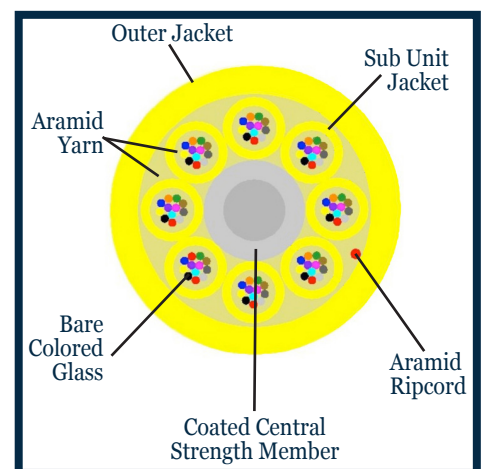
TLC Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, and unlisted, unrated cable can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers.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

Application

Plenum
Data Centers

Flame Rating

NFPA262



SPECIFICATIONS

Temperature Range

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

Cable Characteristics

Fiber Count	96, 144
Outer Jacket Material	Flame Retardant PVC
Sub Units	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member (if applicable)	Fiber Reinforced Rod

Mechanical Characteristics

Mechanical Characteristics	Value
Nominal Outer Diameter (mm): 96, 144	9.3/ 10.6
Weight (lbs/ km): 96, 144 (fiber count)	200/ 250
Minimum Bend Radius, Installation (cm) of 96, 144 (fiber count)	18.6/ 21.2
Minimum Bend Radius, Operation (cm) of 96, 144 (fiber count)	9.3/ 10.6

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
96	So9MD96**NPY20-Y	M62MD96**NPO20-O	M50MD96**NPO20-O	M50MD96**NPA20-A	M50MD96**NPA20-A
144	So9MD144**NPY20-Y	M62MD144**NPO20-O	M50MD144**NPO20-O	M50MD144**NPA20-A	M50MD144**NPA20-A

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

Fiber Type (62.5/125)	**
InfiniCor 300	C3
InfiniCor 1000	C1



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