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

### Optical Characteristics
- **Items**
  - **Core Size**: Single Mode 9 µm, OM1 62.5 µm, OM2 50 µm, OM3 50 µm, OM4 50 µm
  - **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)**: Not specified
  - **Link Length (10Gb/s)**: Not specified

### Physical Characteristics
- **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

### Part Numbers
- **Fiber Count**
  - 2-12: S09MD##**NPY
  - 24: S09MD24**NPY-TW
  - 24: S09MD24**NPY2T-Y
  - 36: S09MD36**NPY3T-Y
  - 48: S09MD48**NPY4T-Y
  - 72: S09MD72**NPY6T-Y
  - 96: S09MD96**NPY-Y

### 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

Specifications are subject to change without notice.