Features and Benefits

- Consistent 3.5 – 5 lbs-f for easy stripability
- Available in custom colors

Description

The Light Connection Round Duplex Cable is composed of two tight buffers, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Duplex Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unlisted, unrated cables 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

Flame Rating
NFPA262
## SPECIFICATIONS

### Temperature Range
- **Storage Temperature**: -40°C to +70°C
- **Operating Temperature**: 0°C to +70°C

### Cable Characteristics
- **Core Size**: OM1: 9 μm, OM2: 62.5 μm, OM3: 50 μm, OM4: 50 μm
- **Wavelength**: OM1: (850/1300) nm, OM2: (850/1300) nm, OM3: (850/1300) nm, OM4: (850/1300) nm
- **Max. Attenuation**: OM1: (0.5/0.4) dB/km, OM2: (3.5/1.5) dB/km, OM3: (3.5/1.5) dB/km, OM4: (3.5/1.5) dB/km
- **Bandwidth (EMB)**: -220 MHz @850 nm, 850 MHz @850 nm, 2000 MHz @850 nm, 4700 MHz @850 nm
- **Link Length (10Gb/s)**: –, –, 150 mtr, 300 mtr, 550 mtr

### Physical Characteristics
- **Nominal Outer Diameter (mm)**: 2.85
- **Weight (lbs/km)**: 21
- **Minimum Bend Radius (cm) Installation**: 4.27
- **Minimum Bend Radius (cm) Operation**: 2.85

### Optical Characteristics
- **Core Size**: Single Mode: 9 μm, OM1: 62.5 μm, OM2: 50 μm, OM3: 50 μm, OM4: 50 μm
- **Wavelength**: Single Mode: (850/1300) nm, OM1: (850/1300) nm, OM2: (850/1300) nm, OM3: (850/1300) nm, OM4: (850/1300) nm
- **Max. Attenuation**: Single Mode: (0.5/0.4) dB/km, OM1: (3.5/1.5) dB/km, OM2: (3.5/1.5) dB/km, OM3: (3.5/1.5) dB/km, OM4: (3.5/1.5) dB/km
- **Bandwidth (EMB)**: Single Mode: –, OM1: 220 MHz @850 nm, OM2: 850 MHz @850 nm, OM3: 2000 MHz @850 nm, OM4: 4700 MHz @850 nm
- **Link Length (10Gb/s)**: Single Mode: –, OM1: –, OM2: 150 mtr, OM3: 300 mtr, OM4: 550 mtr

### Part Numbers
- **Fiber Count/ Size**: Single Mode: 02 S09RX02**NPY, OM1: M62RX02**NPO, OM2: M50RX02**NPA, OM3: M50RX02**NPA, OM4: M50RX02**NPA

### 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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Specifications are subject to change without notice.

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