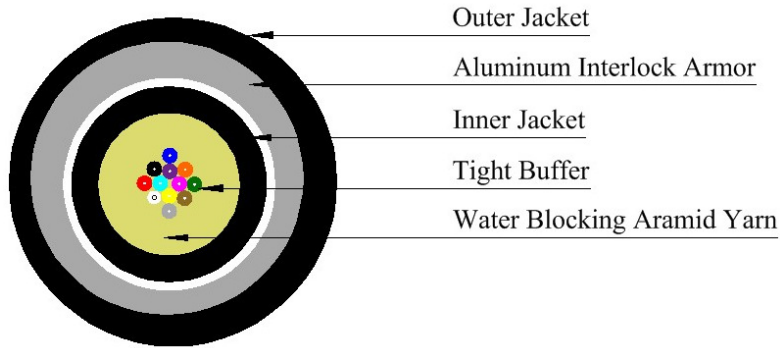


2-24 Tight Buffered, Aluminum Interlocking Armored Cable Plenum



TLC Tight Buffered Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 2 to 24 tight buffered fiber surrounded by yarn acting as a strength member.

The core is protected by a spirally wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCP rated constructions.



Application

- Plenum
- Duct

Flame Rating

- NFPA262

Specifications

| Temperature Range | Indoor | Indoor/Outdoor |
|-----------------------|----------------|----------------|
| Storage Temperature | -40 C to +70 C | -40 C to +70 C |
| Operating Temperature | 0 C to +70 C | -40 C to +70 C |

| Cable Characteristics | |
|-------------------------|---------------------|
| Fiber Count | 2 to 24 |
| Strength Member | Aramid Yarn |
| Overall Jacket Material | Poly Vinyl Chloride |
| Inner Jacket Material | Poly Vinyl Chloride |
| Armoring Material | Aluminum |

| Mechanical Characteristics | Standards/ Value |
|---|------------------|
| Nominal Outer Diameter (2,4/ 6,8,12/ 24) mm | 13.9/ 15.9/ 17.4 |
| Bend Radius (2,4/ 6,8,12/ 24) cm | 20.8/ 23.8/ 26.1 |
| Weight (2,4/ 6,8,12/ 24) lbs/ km | 438/ 540/ 616 |

| Optical Characteristics | | | | | |
|---------------------------------------|-----------------|-------------------|-------------------|--------------------|--------------------|
| Items | Single Mode | InfiniCor 300 | 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 dB/ Km | 3.5 dB/ Km | 3.5 dB/ Km | 3.5 dB/ Km | 3.5 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 | InfiniCor 300 | OM2 | OM3 | OM4 |
| 2 and 4 | S09DI/IO###NPY | M62DI/IO###NPO | M50DI/IO###NPA | M50DI/IO###NPA | M50DI/IO###NPA |
| 6, 8, 12 | S09DI/IO###NPY | M62DI/IO###NPO | M50DI/IO###NPA | M50DI/IO###NPA | M50DI/IO###NPA |
| 24 | S09DI/IO24**NPY | M62DI/IO24**NPO | M50DI/IO24**NPA | M50DI/IO24**NPA | M50DI/IO24**NPA |

| | | | | | |
|--------------------|------|---------------------|------|-----------------------|------|
| Fiber Type (9/125) | ** | Fiber Type (50/125) | ** | Fiber Type (62.5/125) | ** |
| SMF28e+ | - C | ClearCurve OM2 | - C2 | InfiniCor 300 | - C3 |
| CleaCurve XB | - CB | ClearCurve OM3 | - CG | InfiniCor 1000 | - C1 |
| ClearCurve LBL | - C7 | ClearCurve OM4 | - C4 | Plenum | - P |
| ClearCurve ZBL | - CC | | | | |
| Fiber Count | - ## | | | | |

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