

UltraRibbon™ Riser Gel-Free Interlocking Armored Cable

360 F, 50 μm multimode (OM3)

CORNING

Corning UltraRibbon™ riser gel-free interlocking armored cables continue the innovative breakthrough in indoor cable technology with a new generation of high-fiber-count single tube cables. Encased in spirally wrapped aluminum interlocking armor for ruggedness and superior crush resistance, these cables are ideal for industrial and heavy traffic areas and installations requiring extra protection for optical cables. A specially formulated flame-retardant jacket allows this cable the flexibility to be used in indoor general purpose horizontal and riser applications.

The cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons. Available in fiber counts from 288 to 432, each 24-fiber ribbon can be easily separated by hand into two 12-fiber ribbons. The 12-fiber ribbons have readily identifiable ribbon IDs, fiber colors and geometries that result in excellent mass-splicing yields.

Features and Benefits

Each 12-fiber ribbon individually numbered
Easy identification

Precise fiber and ribbon geometries in a gel-free design
Excellent mass splicing yields

Flame-retardant jacket
Rugged and durable

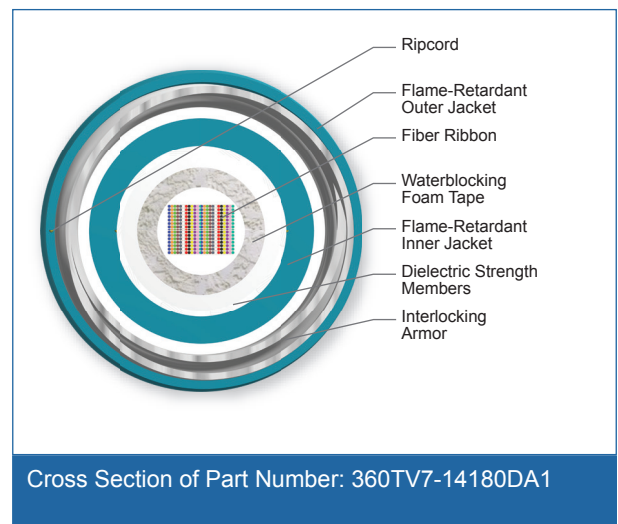
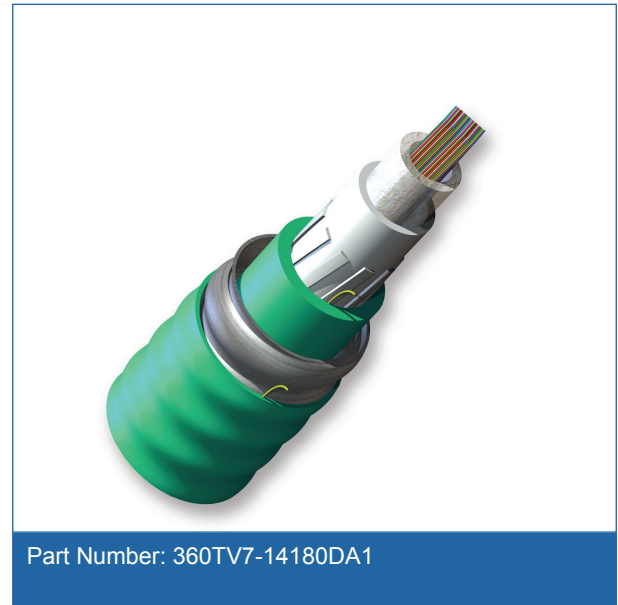
Up to 432 fibers in a compact design
Easily fits in 1.25-in diameter inner duct

Flexible interlocking armor
More than seven times the crush protection compared to non-armored cables

Common installations
Indoor vertical riser and general purpose horizontal according to National Electrical Code® (NEC®) Article 770

Standards

| | |
|------------------------|---------------------------------------|
| Listings | National Electrical Code® (NEC®) OFNR |
| Design Criteria | CSA FT-4 |
| Test Criteria | ANSI/ICEA S-83-596 |



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Specifications

| General Specifications | |
|------------------------|--|
| Environment | Indoor |
| Application | General Purpose Horizontal, Vertical Riser |
| Cable Type | Ribbon |
| Product Type | Interlocking armor |
| Flame Rating | Riser (OFCR) |
| Fiber Category | 50 µm MM (OM3) |

| Temperature Range | |
|-------------------|------------------------------------|
| Storage | -40 °C to 70 °C (-40 °F to 158 °F) |
| Installation | -10 °C to 60 °C (14 °F to 140 °F) |
| Operation | -20 °C to 70 °C (-4 °F to 158 °F) |

| Cable Design | |
|---|--|
| Fiber Count | 360 |
| Ribbons per Tube | 15 |
| Fibers per Ribbon | 24 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Buffer Tube Color | Natural |
| Buffer Tube Diameter | 14.6 mm (0.57 in) |
| Tape | Waterblocking foam tape |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Number of Ripcords | 2 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Aqua |

| Mechanical Characteristics Cable | |
|-----------------------------------|----------------------------|
| Max. Tensile Strength, Short-Term | 1320 N (300 lbf) |
| Max. Tensile Strength, Long-Term | 400 N (90 lbf) |
| Min. Bend Radius Installation | 462 mm (18.2 in) |
| Min. Bend Radius Operation | 308 mm (12.1 in) |
| Nominal Outer Diameter | 28.7 mm (1.13 in) |
| Weight | 545 kg/km (366 lb/1000 ft) |

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Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|---|

Fiber Specifications

Optical Characteristics (cabled)

| | |
|---|--------------------------|
| Fiber Core Diameter | 50 µm |
| Fiber Category | OM3 |
| Fiber Code | T |
| Performance Option Code | 80 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.0 dB/km / 1.0 dB/km |
| Serial 1 Gigabit Ethernet | 1000 m / 600 m |
| Serial 10 Gigabit Ethernet | 300 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz*km / - |

* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Customer Care Representative for additional information.

Ordering Information

| | |
|---------------------|--|
| Part Number | 360TV7-14180DA1 |
| Product Description | UltraRibbon™ Riser Gel-Free Interlocking Armored Cable, 360 F, 50 µm multimode (OM3) |



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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