

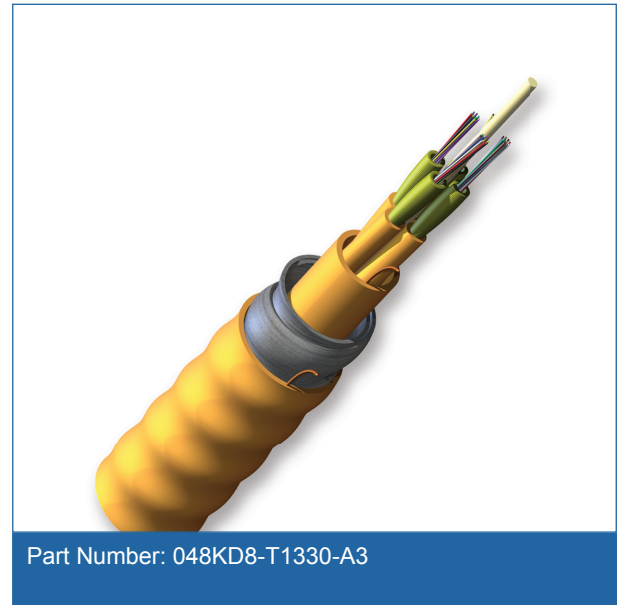
MIC® 250 Interlocking Armored Distribution Cable, Plenum

48 F, 62.5 µm multimode (OM1)

CORNING

Corning MIC® 250 cables utilize 250 µm color-coded optical fibers surrounded by dielectric strength members with a flexible, flame-retardant outer jacket. These cables are ideal for creating multifiber preconnectorized assemblies as the 12-fiber groupings enable efficient compatibility with multifiber connectors. The flexible, flame-retardant jacket and non-preferential bend axis allow easy installation in space-constrained areas. The core is protected by a flexible, spirally-wrapped, aluminum interlocking armor that offers easy, one-step installation.

This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.



Part Number: 048KD8-T1330-A3

Features and Benefits

Color-coded fibers

Quick and easy identification

12-fiber groupings

Compatibility with multifiber connectors

Standards

Listings

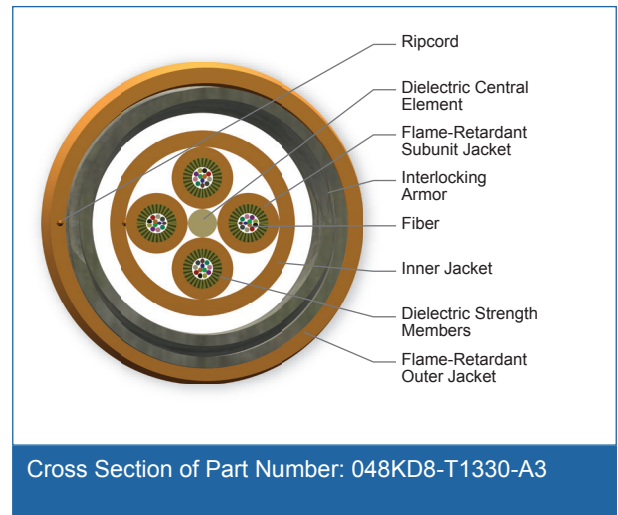
National Electrical Code® (NEC®) OFCP, FT-6, ICEA S-83-596

Design and Test Criteria

CSA FT-6

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



Cross Section of Part Number: 048KD8-T1330-A3

Specifications

| General Specifications | |
|------------------------|--|
| Environment | Indoor |
| Application | General Purpose Horizontal, Vertical Riser, Plenum |
| Cable Type | Loose Tube |
| Product Type | Distribution |

MIC[®] 250 Interlocking Armored Distribution Cable, Plenum

48 F, 62.5 μ m multimode (OM1)

CORNING

General Specifications

| | |
|----------------|-----------------------|
| Flame Rating | Plenum (OFNP) |
| Fiber Category | 62.5 μ m MM (OM1) |

Temperature Range

| | |
|--------------|------------------------------------|
| Storage | -40 °C to 70 °C (-40 °F to 158 °F) |
| Installation | 0 °C to 60 °C (32 °F to 140 °F) |
| Operation | 0 °C to 70 °C (32 °F to 158 °F) |

Cable Design

| | |
|---|--|
| Central Element | Dielectric |
| Fiber Count | 48 |
| Fibers per Subunit | 12 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Subunit Jacket Material | Flame-retardant |
| Subunit Color | Orange |
| Number of Subunits | 4 |
| Number of Ripcords | 1 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Orange |

Mechanical Characteristics Cable

| | |
|-----------------------------------|----------------------------------|
| Weight | 202.82 kg/km (136.28 lb/1000 ft) |
| Nominal Outer Diameter | 15.7 mm (0.61 in) |
| Max. Tensile Strength, Short-Term | 660 N (150 lbf) |
| Max. Tensile Strength, Long-Term | 200 N (45 lbf) |
| Min. Bend Radius Installation | 235.5 mm (9.27 in) |
| Min. Bend Radius Operation | 157 mm (6.18 in) |

Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

MIC[®] 250 Interlocking Armored Distribution Cable, Plenum

48 F, 62.5 µm multimode (OM1)



Fiber Specifications

| Optical Characteristics (cabled) | |
|---|-------------------------|
| Fiber Core Diameter | 62.5 µm |
| Fiber Category | OM1 |
| Fiber Code | K |
| Performance Option Code | 30 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.4 dB/km / 1.0 dB/km |
| Serial 1 Gigabit Ethernet | 300 m / 550 m |
| Serial 10 Gigabit Ethernet | 33 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 220 MHz*km / - |

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Customer Care Representative for additional information.

Ordering Information

| | |
|---------------------|--|
| Part Number | 048KD8-T1330-A3 |
| Product Description | MIC [®] 250 Distribution Cable, Plenum, Interlocking Armor, 48 F, 62.5 µm multimode (OM1) |
| EAN Code | 4056418159690 |



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