

Reel In A Box, Zipcord Tight-Buffered Cable, Plenum

2 F, 62.5 μm multimode (OM1)

CORNING

Reel in a Box is Corning's innovative packaging solution for small reels of fiber optic cable in all inside plant applications, such as collocation data centers and wireless projects. This packaging solution provides features that enable our customers greater efficiencies than before.

Corning zipcord cables are designed for interconnect applications. Two 900 μm buffered fibers are surrounded by aramid yarn strength members and a flame-retardant jacket. This cable design offers mechanical durability and flame resistance that meet the requirements of the National Electrical Code® (NEC®) Article 770.

Features and Benefits

"Countdown" print indicates available cable remaining on the reel providing easier inventory management

Stackable boxes make storage more manageable

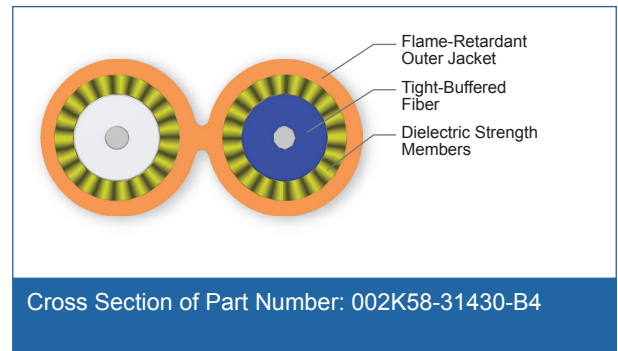
Smaller reel offerings mean smaller cable lengths than would normally be available

Cable cutting at Corning lowers operating expenses for our distributors and end users

Standards

Approvals and Listings National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

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



Specifications

| General Specifications | |
|------------------------|--|
| Environment | Indoor |
| Application | General Purpose Horizontal, Vertical Riser, Plenum |
| Cable Type | Tight-Buffered |
| Product Type | Interconnect |
| Flame Rating | Plenum (OFNP) |
| Fiber Category | 62.5 μm MM (OM1) |
| Fiber Length | 600 m (2000 ft) |

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Temperature Range

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

Cable Design

| | |
|---|-----------------------------|
| Fiber Count | 2 |
| Tight Buffer Color | Blue, White |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Number of Subunits | 2 |
| Outer Jacket Material | Flame-retardant |
| Outer Jacket Color | Orange |

Mechanical Characteristics Cable

| | |
|-----------------------------------|-------------------------------------|
| Max. Tensile Strength, Short-Term | 220 N (50 lbf) |
| Max. Tensile Strength, Long-Term | 66 N (15 lbf) |
| Weight | 5 kg/km (3.5 lb/1000 ft) |
| Nominal Outer Diameter | 1.6 mm x 3.3 mm (0.06 in x 0.13 in) |
| Min. Bend Radius Installation | 50 mm (2 in) |
| Min. Bend Radius Operation | 8 mm (0.3 in) |

Chemical Characteristics

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

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 / - |



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Fiber Specifications

| Optical Characteristics (cabled) | |
|---|-------------------------|
| 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 | 002K58-31430-B4 |
| Product Description | Reel in a Box, Zipcord Tight-Buffered Cable, Plenum, 2 F, 1.6 mm diameter, 62.5 μ m multimode (OM1) |
| EAN Code | 4056418153933 |

Shipping Information

| | |
|--------------------|---|
| Packaging Method | Reel In A Box |
| Dimensions (HxWxD) | 39.37 cm x 39.37 cm x 38.73 cm (15.5 in x 15.5 in x 15.25 in) |



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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