

# Reel In A Box, Single-Fiber, Tight-Buffered Cable, Plenum

2.0 mm diameter, Single-mode (OS2)

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 single-fiber cables are designed for interconnect applications. A 900  $\mu\text{m}$  buffered fiber is surrounded by aramid yarn strength members and a flame-retardant jacket. Dielectric strength members offer mechanical durability and the flame-resistant jacket meet 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

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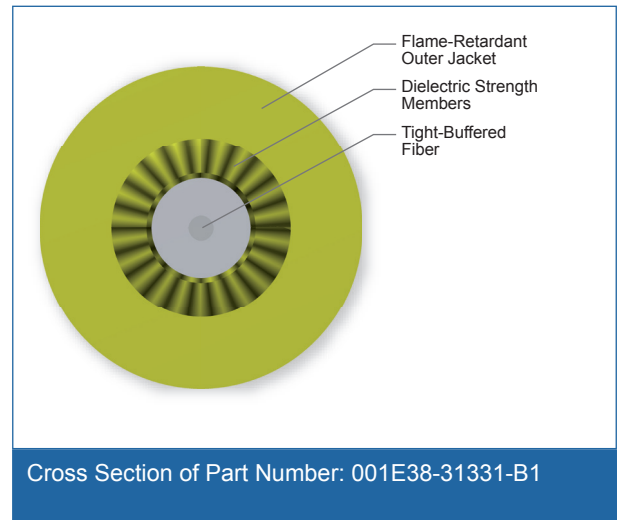
Stackable boxes make storage more manageable

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

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



Cross Section of Part Number: 001E38-31331-B1

## Standards

**Waterblocking** IEC 60794-1-2 F5

## Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interconnect
Fiber Category	Single-mode (OS2)
Fiber Length	150 m (500 ft)

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## Temperature Range

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

## Cable Design

Fiber Count	1
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

## Mechanical Characteristics Cable

Nominal Outer Diameter	2.0 mm (0.08 in)
Weight	4.3 kg/km (2.9 lb/1000 ft)
Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)
Min. Bend Radius Installation	30 mm (1.2 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Name	SMF-28e® fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km

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## Ordering Information

Part Number	001E38-31331-B1
Product Description	Reel in a Box, Single-Fiber Tight-Buffered Cable, Plenum, 2.0 mm diameter, Single-mode (OS2)
EAN Code	4056418155265

## 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)



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