

# ClearCurve® Rugged Drop, Indoor, Tight-Buffered Cable, Plenum

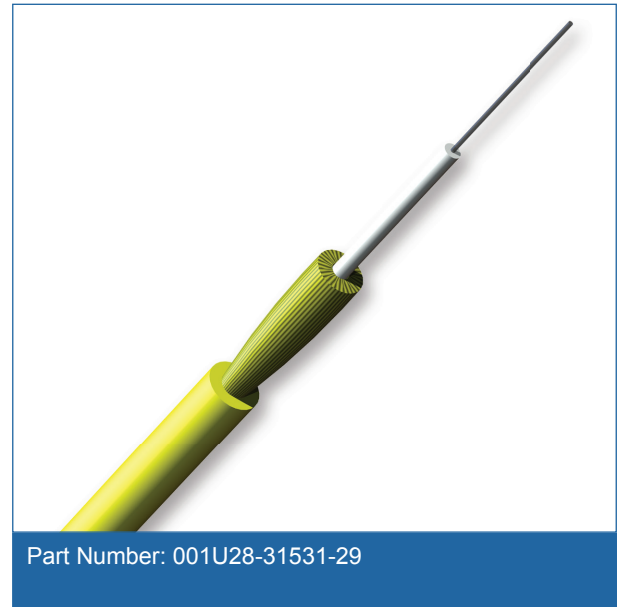
1 F, Single-mode (OS2)

CORNING

Corning ClearCurve® rugged drop cables are part of a product family developed to solve the challenges associated with multidwelling unit (MDU) deployments. Enabled by a truly bend-insensitive fiber, this small profile, yet durable, cable is optimized for applications within the living unit. Smaller and more flexible than category copper communications cable, ClearCurve rugged drop cable can accomplish tight turns to a minimum bend-radius of 5 mm (0.2 in) with negligible bend loss and can be run under carpet, along door frames and molding, in raceway or microduct.

The cable consists of a single bend-insensitive fiber tight-buffered with a 900 µm buffer, surrounded by dielectric strength members and an outer flame-retardant jacket. This cable is plenum-rated (OFNP) for indoor plenum, vertical riser and general-purpose horizontal applications.

The product is available in convenient contractor-sized packaging for easy field deployment and features bend-insensitive single-mode fiber, which enables installers to route the subunit around tight corners.



## Features and Benefits

### Backward compatible with all industry ITU-G.652 single-mode fiber

Meets industry standards and eliminates installation complexity

### Self-bend-limiting design

Can be directly stapled and routed around tight corners

### Plenum-rated (OFNP) cable design

Indoor plenum, vertical riser and general-purpose horizontal applications

### Convenient contractor-sized packaging

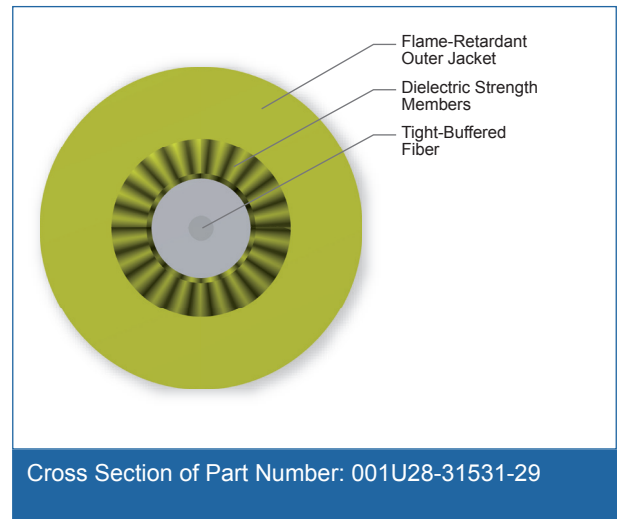
Easy field deployment

### Higher bandwidth-carrying capacity, smaller outer diameter, lighter weight, smaller minimum bend-radius

Outperforms typical CAT 5e or CAT 6 cable for MDU applications

### Outperforms typical copper cables (RG-6 Coaxial)

Higher bandwidth, lighter weight, smaller OD and bend-radius



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## Standards

**Listings** National Electrical Code®  
(NEC®) NFPA 70 OFNP,  
CSA FT-6

**Design and Test Criteria** ANSI/ICEA S-115-730,  
Telcordia GR-409

## Specifications

General Specifications	
Environment	Indoor
Application	Plenum, Vertical Riser, General Purpose Horizontal
Cable Type	Drop
Product Type	Interconnect
Flame Rating	Plenum (OFNP)
Fiber Category	Single-mode (OS2)

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	
Fiber Count	1
Fiber Coloring	White
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	450 N (100 lbf)
Max. Tensile Strength, Long-Term	150 N (30 lbf)
Weight	25.05 kg/km (16.8 lb/1000 ft)
Nominal Outer Diameter	4.8 mm (0.19 in)

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## Mechanical Characteristics Cable

Min. Bend Radius Installation	5 mm (0.2 in)
Min. Bend Radius Operation	5 mm (0.2 in)

## Chemical Characteristics

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

### Optical Characteristics (cabled)

Fiber Type	ClearCurve® ZBL
Fiber Category	G.657.B3/G.652.D
Fiber Code	U
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

## Ordering Information

Part Number	001U28-31531-29
Product Description	ClearCurve® Rugged Drop, Indoor, Tight-Buffered Cable, Plenum, 1 F, Single-mode (OS2)



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