

# ClearCurve® Compact Drop, Indoor/Outdoor, Tight-Buffered Cable, Riser

1 F, Single-mode (OS2)

CORNING

Corning ClearCurve® compact 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 CAT 5e cable, ClearCurve compact 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 indoor/outdoor cable consists of a single bend-insensitive fiber tight-buffered with a 900 µm jacket, surrounded by dielectric strength members and an outer flame-retardant jacket. With a black jacket, this cable is riser-rated (OFNR) for indoor vertical riser and general-purpose horizontal applications.

The fiber is rated to 100 KPSI.

## Features and Benefits

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

Meets industry standards and eliminates installation complexity

### Minimum bend radius of 5 mm (0.2 in)

Ideal for tight-bend deployments

### Riser-rated (OFNR) cable design

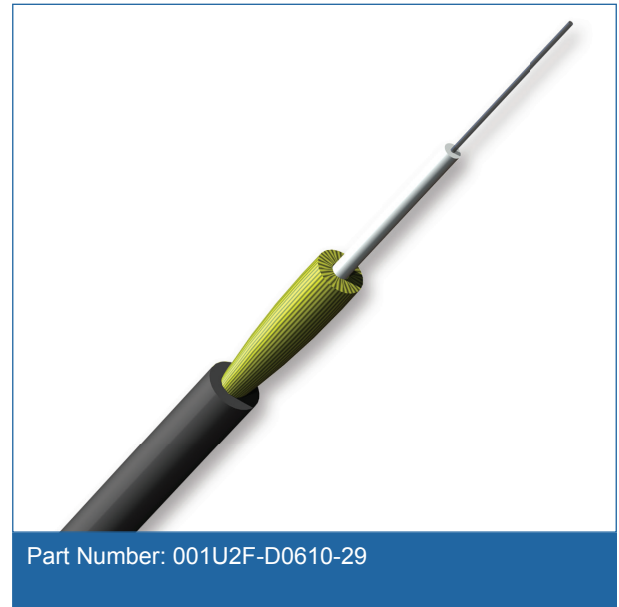
Indoor, vertical riser and general-purpose horizontal applications

### Convenient contractor-sized packaging

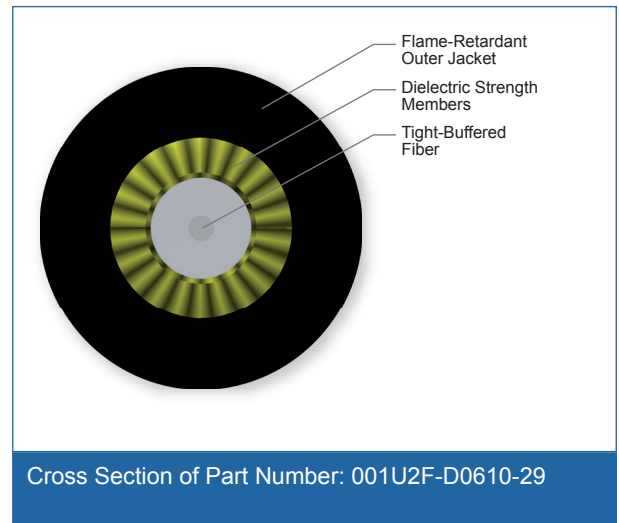
Easy field deployment

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

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



Part Number: 001U2F-D0610-29



Cross Section of Part Number: 001U2F-D0610-29

## Standards

### Listings

National Electrical Code® (NEC®) OFNR

### Design and Test Criteria

ANSI/ICEA S-104-696;  
Telcordia GR-409, CSA FT-4

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## Specifications

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

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	1
Fiber Coloring	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Black

Mechanical Characteristics Cable	
Weight	8.28 kg/km (5.56 lb/1000 ft)
Nominal Outer Diameter	2.9 mm (0.11 in)
Min. Bend Radius Installation	5 mm (0.2 in)
Min. Bend Radius Operation	5 mm (0.2 in)
Max. Tensile Strength, Short-Term	220 N (48 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

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## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	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	001U2F-D0610-29
Product Description	ClearCurve® Compact Drop, Indoor/Outdoor, Tight-Buffered Cable, Riser, 1 F, Single-mode (OS2), black jacket
EAN Code	4056418146348



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](http://www.corning.com/opcomm)

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