

ClearCurve® Compact Drop, Indoor, 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 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 yellow jacket, this cable is riser-rated (OFNR) for indoor vertical riser and general-purpose horizontal applications.

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

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

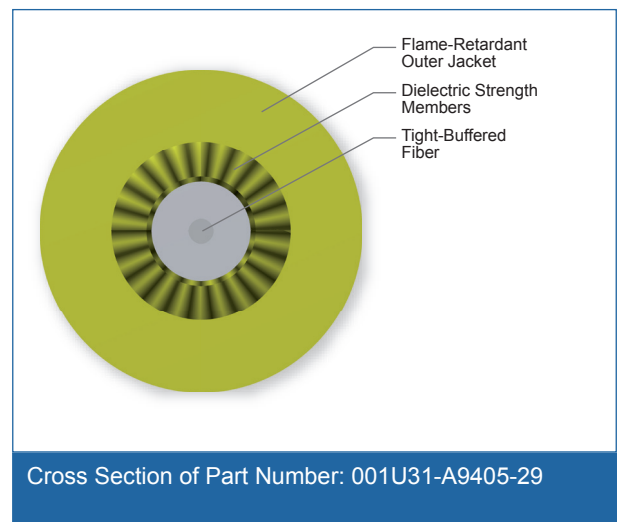
Standards

Listings

National Electrical Code® (NEC®) OFNR, FT-4

Design and Test Criteria

ANSI/ICEA S-104-596;
Telcordia GR-409, CSA FT-4



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Specifications

General Specifications	
Environment	Indoor
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
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable	
Weight	8.22 kg/km (5.52 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	001U31-A9405-29
Product Description	ClearCurve® Compact Drop, Indoor, Tight-Buffered Cable, Riser, 1 F, Single-mode (OS2), yellow jacket
EAN Code	4056418187266



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