

ClearCurve® Rugged Drop, Tight-Buffered Cable

1 F, Single-mode (OS2, ClearCurve®)

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 rugged drop cable can be bent to a minimum bend radius of 5 mm (0.2 in) and be directly stapled to wall studs and rafters with standard cable staples and hardware-store variety staple guns.

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. Two versions are available. The first is an indoor-only version available with a standard yellow jacket or an optional neutral jacket. The second is an indoor/outdoor version that is fully waterblocked with a black UV-resistant outer jacket. Both versions are riser-rated (OFNR) for 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 down to 5 mm (0.2 in) radius inside the home.

Note: This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Flexible, robust cable

Solves unique challenges associated with MDU deployments

Self-bend-limiting design

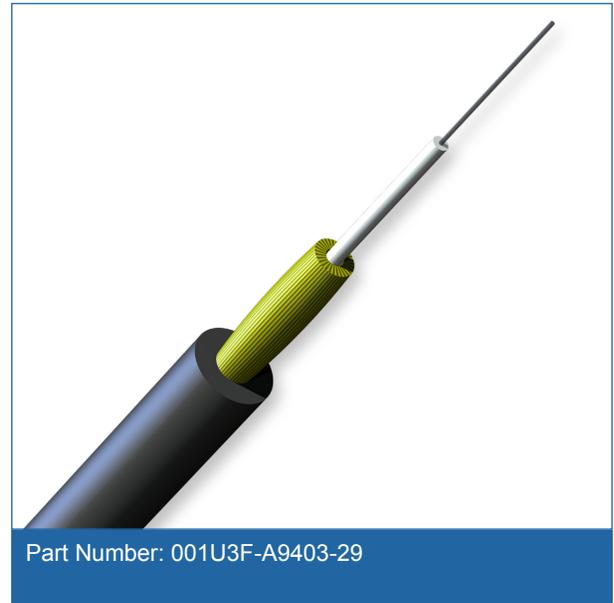
Can be directly stapled and routed around tight corners

Outperforms typical copper cables (RG-6 Coaxial)

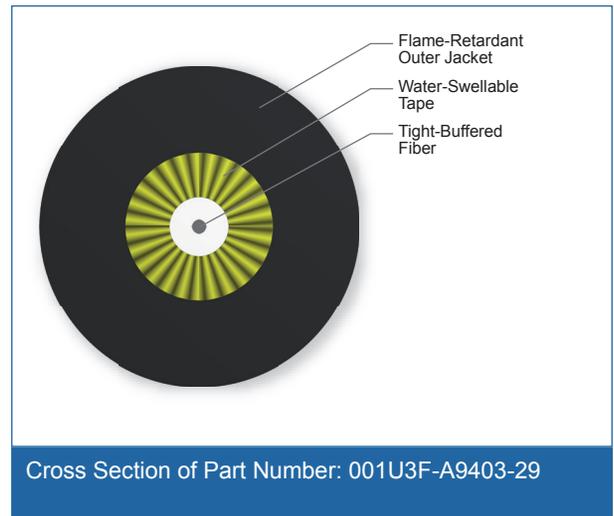
Higher bandwidth, lighter weight, smaller OD and bend-radius

Waterblocking technology

Allows efficient and craft-friendly cable preparation



Part Number: 001U3F-A9403-29



Cross Section of Part Number: 001U3F-A9403-29

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Standards

Approval and Listings	National Electrical Code® (NEC®) OFNR, CSA OFN FT-4
Design and Test Criteria	ANSI/ICEA S-104-696; Telcordia GR-409
Common Installations	MDU drop cable applications from last terminal to and within living unit including outdoor and indoor vertical riser and general-purpose horizontal according to NEC Article 770

Specifications

General Specifications	
Environment	Indoor/Outdoor Cables
Application	Lashed Aerial, Direct Buried, Duct, General Purpose Horizontal, (Vertical Riser)
Cable Type	Drop
Product Type	Dielectric
Flame Rating	Riser (OFNR)
Fiber Category	SM R5 (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	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Fiber Count	1
Fiber Coloring	white
Tensile Strength Elements and/or Armoring - Layer 1	Water-swellable dielectric strength members
Outer Jacket Material	Flame-Retardant, UV-Resistant
Outer Jacket Color	Black

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Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	450 N (100 lbf)
Max. Tensile Strength, Long-Term	150 N (30 lbf)
Weight	21 kg/km (13.7 lb/1000 ft)
Nominal Outer Diameter	4.8 mm (0.19 in)
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 2002/95/EG
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Name	ClearCurve® ZBL
Fiber Category	G.657.B3/G.652.D
Fiber Code	U
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Typical Attenuation*	0.35 dB/km / 0.35 dB/km / 0.20 dB/km

* Typical attenuation values match the attenuation values listed in the optical fiber specifications. See www.corning.com/opticalfiber for Corning optical fiber specifications. Better attenuation performance options are available for some fiber and cable types. Contact Customer Care for additional fiber options.

Ordering Information

Part Number	001U3F-A9403-29
Product Description	ClearCurve® Compact Drop, Tight-Buffered Cable, 1 F, Single-mode (OS2, ClearCurve)

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The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Notes



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