

ClearCurve® Rugged Drop, Indoor/Outdoor, Tight-Buffered Cable

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 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

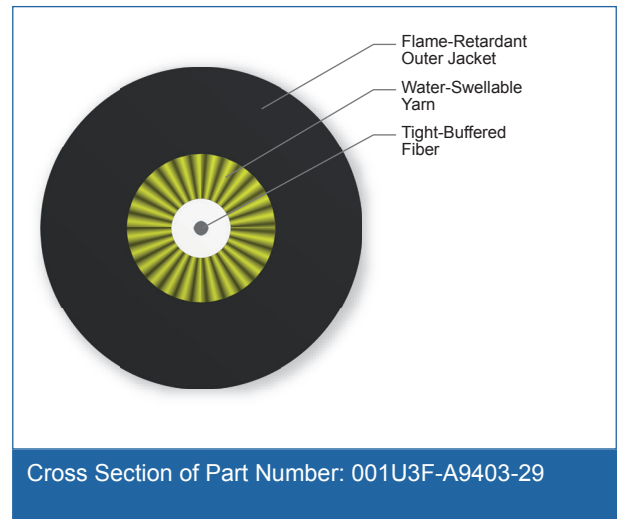
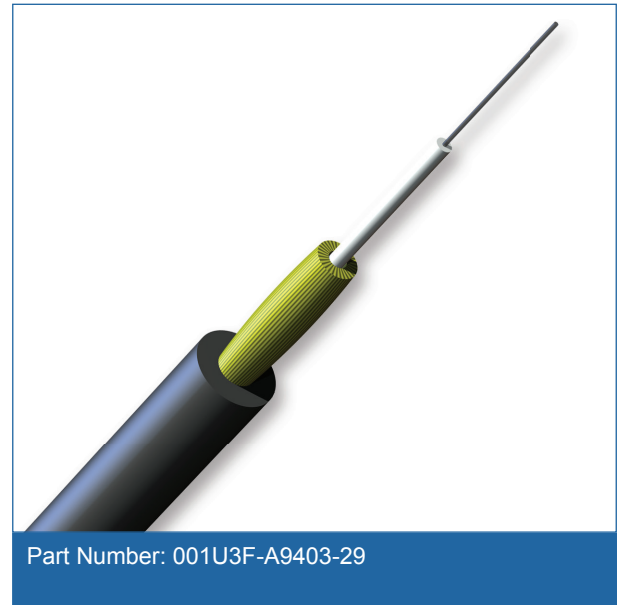
Can be directly stapled and routed around tight corners

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



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Standards

Approvals 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	Single-mode (OS2)

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-5 °C to 60 °C (23 °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 Strength Yarns
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	4 mm (0.16 in)
Min. Bend Radius Operation	4 mm (0.18 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	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

* For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf

Ordering Information

Part Number	001U3F-A9403-29
Product Description	ClearCurve® Rugged Drop, Indoor/Outdoor, Tight-Buffered Cable, 1 F, Single-mode (OS2)
EAN Code	4056418188423

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Notes



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