

# ClearCurve™ Rugged Drop Cable

An Evolant® MDU Solutions Product

## Description

Corning Cable Systems 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 using Corning nanoStructures™ Technology, 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.

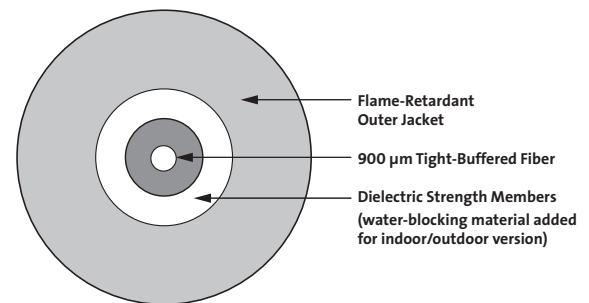
The cable consists of a single bend-insensitive fiber tight-buffered with a 900 µm jacket, surrounded by dielectric strength members and an outer flame-retardant jacket. Two versions are available. The first is an indoor-only version available with a standard yellow jacket or an optional neutral jacket. The second is an indoor/outdoor version that is fully water-blocked with a black UV-resistant outer jacket. Both versions are riser rated (OFNR) for vertical riser and general-purpose horizontal applications.



ClearCurve Rugged Drop Cable | Photo CCV014

## Features / Benefits

- Better than coax, ClearCurve Rugged Drop Cable outperforms typical RG-6 coaxial cables with a:
  - Higher bandwidth-carrying capacity
  - Smaller outer diameter
  - Lighter weight
  - Smaller minimum bend radius
- Rugged, bend-insensitive cable design can be directly stapled to wall studs and joists using standard cable staples and hardware-store variety staple guns
- Self-bend-limiting design enables installers to route cable around tight corners down to 5 mm (0.2 in) radius without need for special handling procedures or bend guides
- Available in both indoor/outdoor and indoor-only riser-rated versions for general purpose horizontal and riser applications
- Available in convenient contractor-sized packaging for easy field deployment



4.8 mm ClearCurve Rugged Drop Cable | Drawing ZA-3186

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Product Specifications

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## Specifications

<b>Maximum Tensile Loads</b>	Short Term: 450 N (100 lbf) Long Term: 150 N (30 lbf)
<b>Temperatures</b>	Operation/Storage: -40° to +70°C (-40° to +158°F) Installation: -10° to +60°C (+14° to +140°F)
<i>Note: Corning Cable Systems recommends storing indoor/outdoor cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best results.</i>	
<b>Approvals and Listings</b>	NEC® OFNR, CSA OFN FT-4
<b>Common Installations</b>	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
<b>Design and Test Criteria</b>	ANSI/ICEA S-104-696; Telcordia GR-409

Fiber Count	Nominal Weight kg/km (lb/1000 ft)	Nominal Outside Diameter mm (in)	Minimum Bend Radius	
			Loaded mm (in)	Installed mm (in)
1	21 (13.7)	4.8 (0.19)	5.0 (0.20)	5.0 (0.20)

*Note: Actual diameter may vary by +/-5%.*

## Mechanical Specifications

Cable Diameter (in)	Minimum Bend Radius (in)	Cable Weight (lb/1000 ft)
<b>MDU Rugged Drop Cable</b>		
0.19	0.20	13
<b>RG-6 Coaxial Cable</b>		
0.27	2.00	30

## Transmission Performance

<b>Fiber Code</b>	<b>U</b>
<b>Performance Option Code</b>	<b>01</b>
<b>Fiber Type</b>	Single-mode bend-insensitive fiber (1310/1383/1550 nm)
<b>Maximum Attenuation (dB/km)</b>	0.4/0.4/0.3
<b>Minimum LED Bandwidth (MHz•km)</b>	- / - / -
<b>Minimum Effective Modal Bandwidth (MHz•km)</b>	- / - / -
<b>Serial Gigabit Ethernet Distance (m)</b>	5000/ - / -
<b>Serial 10 Gigabit Ethernet Distance (m)</b>	10000/40000

## Ordering Information

Contact your Customer Service Representative at 800-743-2675 for other options.

Part Number	Description
001U3F-A 9403-29	Indoor/Outdoor Riser-Rated Cable with black jacket
001U31-A 9404-29	Indoor-Only, Riser-Rated Cable with yellow jacket

*Note: For indoor-only cable, a neutral colored jacket is available upon request.*



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