

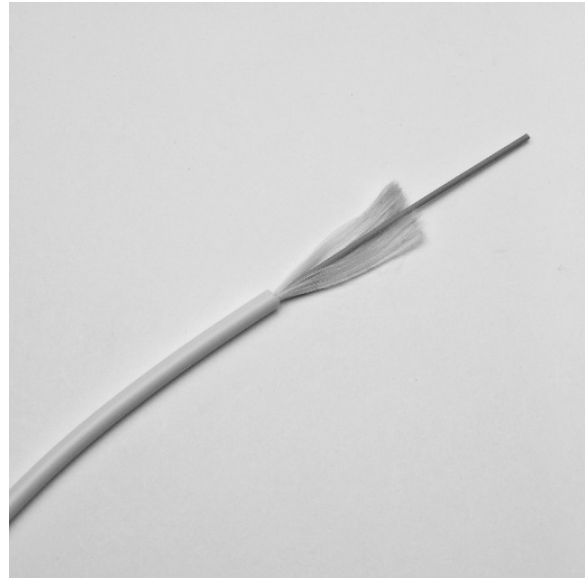
# ClearCurve™ Compact Drop Cable

An Evolant® MDU Solutions Product

## Description

Corning Cable Systems 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 using Corning nanoStructures™ Technology, 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.

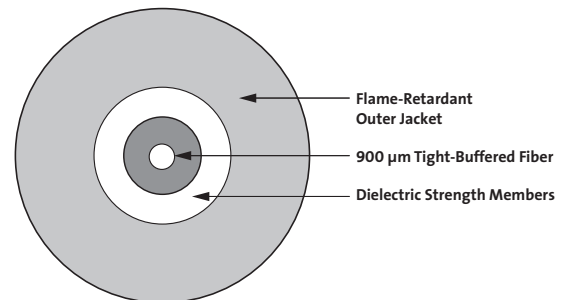
The cable consists of a single bend-insensitive fiber tight-buffered with a 900 µm jacket, surrounded by dielectric strength members and an outer flame-retardant jacket. With a standard yellow or optional neutral-toned jacket, this cable is riser rated (OFNR) for indoor vertical riser and general-purpose horizontal applications.



ClearCurve Compact Drop Cable | Photo CCV016

## Features / Benefits

- Better than copper cable alternatives, ClearCurve Compact Drop Cable for MDU applications outperforms typical CAT 5e or CAT 6 cable with a:
  - Higher bandwidth-carrying capacity
  - Smaller outer diameter
  - Lighter weight
  - Smaller minimum bend radius
- Durable, bend-insensitive cable design enables installers to route cable around tight corners down to 5 mm (0.2 in) radius within the living unit in a variety of methods, including under carpet, around molding and door frames, in raceway and microduct
- Available in riser-rated (OFNR) cable design for indoor vertical riser and general-purpose horizontal applications
- Available in convenient contractor-sized packaging for easy field deployment



2.9 mm ClearCurve Compact Drop Cable | Drawing ZA-3187



Product Specifications

# ClearCurve™ Compact Drop Cable

An Evolant® MDU Solutions Product

## Specifications

<b>Maximum Tensile Loads</b>	Short Term: 220 N (48 lbf) Long Term: 66 N (15 lbf)
<b>Temperatures</b>	Storage: -40° to 70°C (-40° to 158°F) Installation: -10° to 60°C (14° to 140°F) Operation: -20° to 70°C (-4° to 158°F)
<i>Note: Corning Cable Systems recommends storing indoor 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 in the building complex to and within the living unit including 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	6.4 (4.3)	2.9 (0.11)	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 Compact Drop Cable</b>		
0.1	0.2	4
<b>CAT 5e Cable</b>		
0.2	3.0	20

## 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

CORNING

Evolant®  
Solutions



# ClearCurve™ Compact Drop Cable

An Evolant® MDU Solutions Product

## Ordering Information

---

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

Part Number	Description
001U31-31301-29	ClearCurve™ Compact Drop Cable with yellow jacket

---

*Note: A neutral colored jacket is available upon request.*



# ClearCurve™ Compact Drop Cable

An Evolant® MDU Solutions Product



CORNING

Evolant®  
Solutions

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA  
800-743-2675 • FAX: 828-901-5973 • International: +1-828-901-5000 • [www.corning.com/cablesystems](http://www.corning.com/cablesystems)

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems products without prior notification. Evolant is a registered trademark of Corning Cable Systems Brands, Inc. ClearCurve and nanoStructures are trademarks of Corning Incorporated. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2007 Corning Cable Systems. All rights reserved. Published in the USA. EVO-761-EN / September 2007