

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.

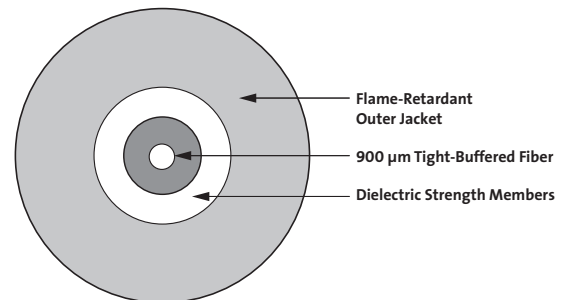
The cable consists of a single bend-insensitive fiber tight-buffered with a 900 µm jacket, surrounded by dielectric strength members and an outer flame-retardant jacket. With a standard yellow or optional neutral-toned jacket, this cable is riser rated (OFNR) for indoor vertical riser and general-purpose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

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Product Specifications

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Specifications

Maximum Tensile Loads	Short Term: 220 N (48 lbf) Long Term: 66 N (15 lbf)
Temperatures	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>	
Approvals and Listings	NEC® OFNR, CSA OFN FT-4
Common Installations	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
Design and Test Criteria	ANSI/ICEA S-104-696; Telcordia GR-409

Fiber Count	Nominal Weight	Nominal Outside Diameter	Minimum Bend Radius	
	kg/km (lb/1000 ft)	mm (in)	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)
MDU Compact Drop Cable		
0.1	0.2	4
CAT 5e Cable		
0.2	3.0	20

Transmission Performance

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

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Ordering Information

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

Part Number	Description
001U31-A9405-29	ClearCurve™ Compact Drop Cable with yellow jacket

Note: A neutral colored jacket is available upon request.

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