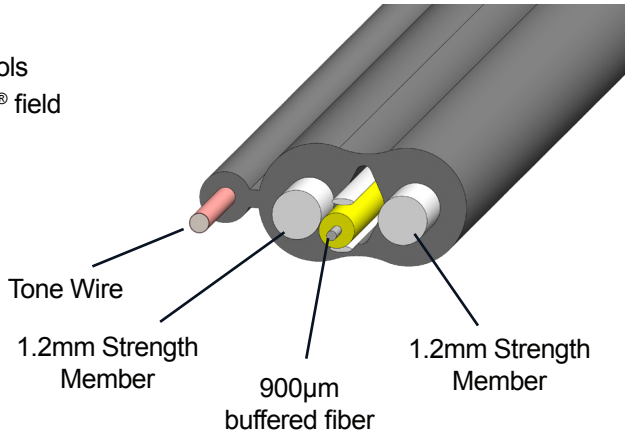
DiamonDrop®
Fiber Drop Cable

A BELDEN BRAND

Features & Benefits

- Single fiber drop cable with 900µm buffer, G.657.A2 fiber
- Innovative core design allows for easier cable prep with no special tools
- Can be used with other third-party products (e.g., Corning's PushLok® field installable connectors[1])
- Durable & Weather/UV Resistant jacket
- Available with tone wire for easy location underground
- 150 ft span under NESC heavy load condition
- Free of hazardous substances according to RoHS 2011/65/EU

DIAMONDROP®



NOTE: 1. Any third-party product and/or company names referenced herein may be common law ™ or registered ® trademarks of their respective owners. Use of any such product or company names herein does not imply any affiliation with and/or sponsorship, authorization, or endorsement and any such use is for the sole purpose of identifying the third-party's goods or services or to illustrate compatibility with such products. PPC Broadband, Inc. ("PPC") is not affiliated with, or sponsored by, the manufacturer(s) or source of any third party products and/or trademarks referenced herein, including, but not limited to Corning's OptiTap® and PushLok® products and trademarks, and PPC does not endorse or claim any ownership in them, and all references thereto are for illustrative compatibility purposes only without any representation or warranty thereof.

Overview

DiamonDrop® is a self-supporting aerial/underground fiber drop cable designed to simplify field termination. Our proprietary cable design allows the jacket to peel cleanly when exposing the 900µm fiber, dramatically reducing fiber damage during preparation which simplifies installation. It can be used with other third-party products, such as field installable connectors, without specialized tools. Compared to other lightweight flat drop cables, it offers better usability without altering existing deployment standards or operational procedures.

Technical Data

Physical Characteristics

Specification	Value
Applications	Aerial, Direct Burial, Underground in Conduit
Cable Jacket Material	Polyethylene (PE)
Strength Elements	2 x 1.2mm dielectric rods
Toneable Conductor	Copper Wire – 24AWG
Nominal Outer Diameter	without tone wire | 5.4mm x 3mm (0.21" x 0.12")
	with tone wire | 6.6mm x 3mm (0.26" x 0.12")
Min. Bend Radius (installation)	50mm (~2")
Tensile Strength, Long / Short term	89 lbf (400N) / 300 lbf (1335N)
Weight	12.23 lb/1000 ft (18.2kg/km)

DiamonDrop®
Fiber Drop Cable

A BELDEN BRAND

Technical Data

Environmental Performance

Specification	Value
Installation Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Operation Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)

Optical Performance

Specification	Value	
Buffer Tube Diameter	900µm	
Fiber Type	Single-mode (OS2)	
Max Attenuation	1310 nm	.4 dB/km
	1383 nm	.4 dB/km
	1550 nm	.3 dB/km
Fiber Compliance	ITU-T G.657.A2	

Aerial Span Performance

NESC Loading Condition	Light	Medium	Heavy
Max Span with 1% Installation Sag in FT (M)	350 (107)	255 (78)	150 (46)

Ordering Information

Without Tone Wire

Length	Part Number	Description	Weight
3,000 FT	DD-192-BK-3KF	DiamonDrop® Bulk Fiber, Black Jacket, 900µm A2, 3,000 FT	40 lb
5,000 FT	DD-192-BK-5KF	DiamonDrop® Bulk Fiber, Black Jacket, 900µm A2, 5,000 FT	65 lb
10,000 FT	DD-192-BK-10KF	DiamonDrop® Bulk Fiber, Black Jacket, 900µm A2, 10,000 FT	130 lb

With Tone Wire

Length	Part Number	Description	Weight
3,000 FT	DD-192-BT-3KF	DiamonDrop® Toneable Bulk Fiber, Black Jacket, 900µm A2, 3,000 FT	40 lb
5,000 FT	DD-192-BT-5KF	DiamonDrop® Toneable Bulk Fiber, Black Jacket, 900µm A2, 5,000 FT	65 lb
10,000 FT	DD-192-BT-10KF	DiamonDrop® Toneable Bulk Fiber, Black Jacket, 900µm A2, 10,000 FT	130 lb

For instructions on cable prep, see here

r3_11162026