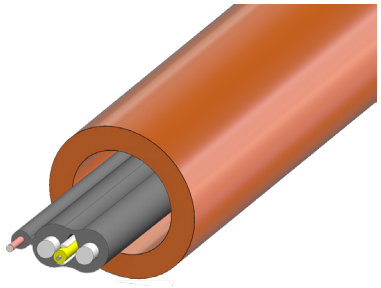
TuffDrop® Fiber Underground Bulk Cable

A BELDEN BRAND

Features & Benefits

- Single fiber DiamonDrop® cable pre-loaded in crush resistant conduit
- Tone wire on cable for easy location underground
- Simplifies installation by eliminating the extra step of pulling cable through conduit
- Meets Telcordia GR-20 requirements
- Free of hazardous substances according to RoHS 2011/65/EU
- **BABA compliant options available**



DIAMONDROP®

Overview

Designed for today's high-volume FTTH and FTTx deployments, TuffDrop delivers a faster, smarter approach to underground fiber installation. Its factory-assembled fiber-in-conduit design eliminates traditional cable pulling, reducing labor, accelerating deployment, and protecting the fiber from damage. With fewer installation steps, fewer SKUs to manage, and a durable, crush-resistant construction, TuffDrop helps network operators improve productivity, reduce operational costs, and build reliable last-mile connections with confidence.

Applications

- FTTH/FTTX – Outdoor Underground
- Data Infrastructure
- Military
- Telecoms
- Rural Broadband
- Transportation
- DAS / FTTA

Technical Data

Physical Characteristics

Specification	Value
Duct Outer Diameter	12mm (.47")
Duct Inner Diameter	8mm (.31")
Crush Resistance (no optical value change)	2500 lbf (~11,000N)
Cable Nominal Outer Diameter	6.6mm x 3mm (0.26" x 0.12")
Cable Min. Bend Radius (installation)	63mm (2.48")
Cable Tensile Strength, Long / Short term	89 lbf (400N) / 300 lbf (1335N)
Cable Jacket Material	Polyethylene (PE)
Cable Tone Wire	Copper Wire – 24AWG

These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

6176 E. Molloy Rd. East Syracuse, NY 13057
bbs.cs@belden.com
1-800-800-6652 • +1 315-431-7200

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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	

Ordering Information

Length	Part Number	Description	Weight
1000 FT	TDF-DD-1000FT	TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 1000FT	62 lb
2000 FT	TDF-DD-2000FT	TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 2000FT	116 lb
5000 FT	TDF-DD-5000FT	TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 5000FT	383 lb

	Length	Part Number	Description	Weight
●	1000 FT	TDF-DD-1KF-BA	**BABA Compliant** TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 1000FT	62 lb
●	2000 FT	TDF-DD-2KF-BA	**BABA Compliant** TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 2000FT	116 lb
●	5000 FT	TDF-DD-5KF-BA	**BABA Compliant** TuffDrop® Underground Toneable Bulk Fiber, DiamonDrop® with 900µm, 5000FT	383 lb

● = BABA Compliant Product

Click or scan more info on DiamonDrop™

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