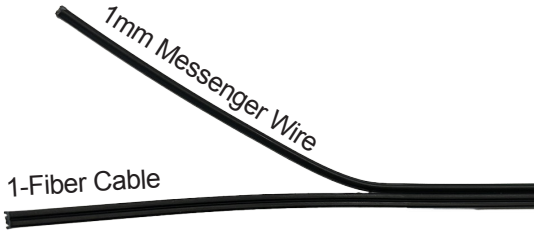
Messengered QuikDrop™ Bulk Fiber Cable

A BELDEN BRAND

Features & Benefits

- Lightweight design
- Complies with IEC 60794-1-2
- Tested to Telcordia GR-20 and ICEA S-110-717
- Can be deployed using aerial coax hardware
- Uses industry-standard G.657.A2 fiber
- Messenger wire can be easily removed for easy cable routing
- Suited for aerial and underground use



Compatibility

- Field Splice and Lab Terminations
- Industry standard connectors, including Balistix™ SC and HFOC



Overview

This messengered fiber drop cable is lightweight, yet strong enough for aerial deployments. Because of the steel messenger wire, it can be aerially deployed using legacy coax drop hangers (exactly like messengered coax), or newer fiber drop hangers. This eliminates the learning curve for technicians that have experience with coax but not fiber, allowing them to use technology and processes that they are already comfortable with. The value to providers is that you do not need to invest a lot of time and money to completely retrain technicians on new deployment strategies.

Applications

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

Technical Data

Cable Construction

Parameter	Specification
Fiber Count	1F
Tight Jacketing over Fiber	900 ± 50µm
Embedded Strength Member	FRP Rod - 0.5 +/- 0.05 mm x2
Messenger - Steel Wire	1.0 mm (Nominal) – Grade A228
Outer Sheath LSZH	Black UV
Overall Cable Dimensions	2.6 mm x 5.6 mm x 0.2 mm
Cable Weight	18.0 kg/km (Nominal)

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

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Technical Data

Cable & Fiber Characteristics

Parameter	Specification		
Tensile Strength	≤ 1350 N		IEC-60794-1-21-E1
Crush Resistance	2000 N/ 100 mm		IEC-60794-1-21-E3
Minimum Bend Radius	20 x D		IEC-60794-1-21-E11
Environmental Performance	Installation	- 30°C to + 70°C	IEC-60794-1-22-F1
	Operation	- 40°C to + 70°C	
	Storage	- 40°C to + 70°C	

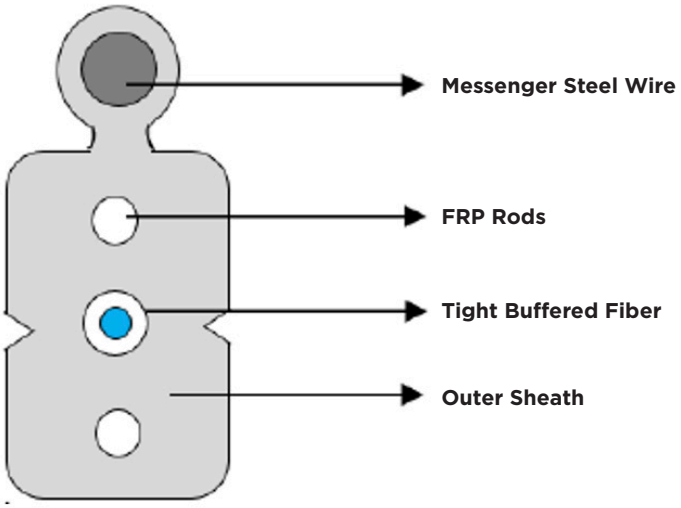
Parameter	Specification	
Fiber Type	G.657A2	
Attenuation	1310 nm	≤ 0.38 dB/km
	1550 nm	≤ 0.25 dB/km
Chromatic Dispersion	1285-1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength	1300 - 1324 nm	
Zero Dispersion Slope	≤ 0.092 ps/nm2.km	
PMD	≤ 0.1 ps/√km	
Cable cut off wavelength λcc	≤ 1260 nm	
MFD	1310 nm	8.6 ± 0.4 µm
	1550 nm	9.6 ± 0.5 µm
Core-Cladding Concentricity Error	200 KPSI	
Cladding Diameter	125 ± 0.7 µm	
Cladding Non-Circularity	≤ 0.7 %	
Primary Coating Diameter (Coloured)	250 ± 15 µm	
Proof Stress level	200 KPSI	
Cable Performance Standards	IEC 60793, ICEA-S-110-717, Telcordia GR-20, ITU-T, RoHS, REACH	

Aerial Span Performance

NESC Loading Condition	Light	Medium	Heavy
Max Span with 1% Installation Sag in FT (M)	492 (150)	328 (100)	180 (55)
Max Span with 3% Installation Sag in FT (M)	623 (190)	377 (115)	197 (60)

Messengered QuikDrop™ Bulk Fiber Cable

Fiber Cable Design



Ordering Information

Length	Part Number	Description
1000FT	MD-92-1000F	Messengered QuikDrop™ Fiber Drop Cable, 900µm A2, 1000FT
3280FT	MD-92-3280F	Messengered QuikDrop™ Fiber Drop Cable, 900µm A2, 3280FT
6500FT	MD-92-6500F	Messengered QuikDrop™ Fiber Drop Cable, 900µm A2, 6500FT

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