# Messengered QuikDrop™ Cable Assembly

A BELDEN BRAND

## Features & Benefits

- Lightweight design
- Complies with IEC 60794-1-2
- Tested to Telcordia GR-3120 & GR-326
- Can be deployed using aerial coax hardware
- Uses industry-standard G.657.A2 fiber
- Messenger wire can be easily removed for easy cable routing
- Suitable for aerial, microduct and underground use
- Guaranteed Insertion loss/return loss with certification
- Industry standard connectors, including Balistix™ SC and HFOC



## Overview

PPC's Balistix pushable connectors enable the pre-connectorized fiber cable to be installed through microducts and small holes that are typical of most FTTX scenarios. PPC's connector options include SC, LC, FC, Balistix SC, HFOC, and no connector.

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.

PPC's Hardened Fiber Optic Connector (HFOC) assembly offers a streamlined and efficient connection point for last-mile fiber deployments. The HFOC is suitable for outdoor use, and is designed to provide superior protection against harsh environments, ensuring consistent data delivery to subscribers.

## Applications

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

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## Technical Data

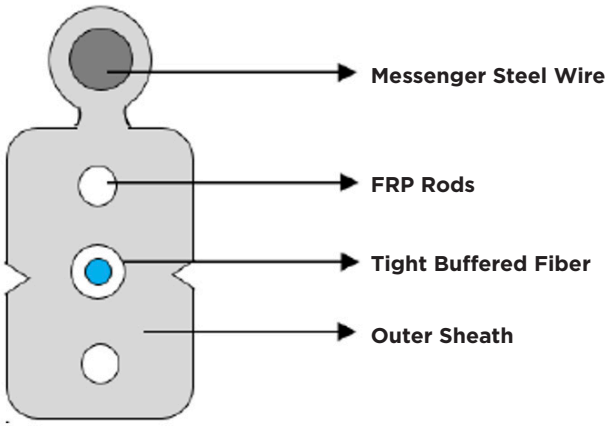
### Mechanical Performance

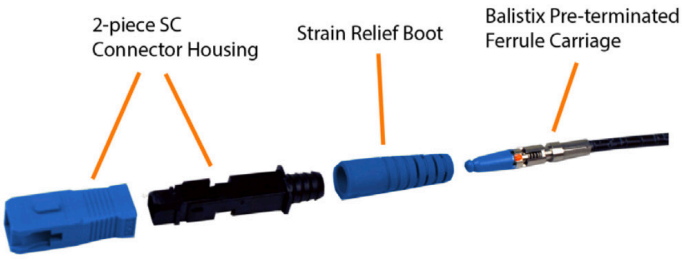
| Fiber Type | Weight | Dimensions | Tensile Strength | Crush | Minimum Bend Radius | |
|---|---|---|---|---|---|---|
| | | | | | Operation | Installation |
| µm | kg/km (lbs/km) | mm (in) | N (lb) | N (lb) | mm (in) | mm (in) |
| 1 x 900 | 18 (40) | 2.6 x 5.6 (0.10 x 0.22) | 1350 (303) | 2000 (450) | 25 (1) | 10 (0.4) |

| Item | Single-mode 900µm |
|---|---|
| Specification | G657 A2 |
| Attenuation 1310 / 1550 nm | 0.4/0.3 dB/km |
| Refractive Index at 1310nm, 1550nm | 1.467, 1.468 |
| Proof test | 200kpsi |
| Cladding diameter | 125 ± 0.7 µm |
| Coated diameter | 250µm +/- 15 |
| Core/Cladding concentricity error | ≤ 0.5 µm |
| Coating concentricity error | ≤ 12µm |
| Macro bend loss | 1550 nm |
| 10 turns at 15 mm diameter | ≤ 0.03 dB |
| 1 turn at 10mm diameter | ≤ 0.10 dB |
| 1 turn at 7.5mm diameter | ≤ 0.50 dB |
| Temp. range (operation) | max attenuation change |
| -60°C to 85°C (-76°F to 185°F) | ≤ 0.05 dB/km |
| Coating Strip Force | 1.3 to 8.9 N |

### 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) |



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## Ordering Information

| Example | DM | - | 92 | - | xx | - | xx | - | xxxxF |
|---|---|---|---|---|---|---|---|---|---|
| Character | | | 1 | | 2 | | 3 | | 4 |

**1. Fiber Type**
92 = 900µm G.657.A2

**2. Connector A**
B3 = SC Balistix™ UPC
B5 = SC Balistix™ APC
O5 = HFOC APC
O3 = HFOC UPC
S3 = SC UPC
S5 = SC APC
L3 = LC UPC
L5 = LC APC
NC = No Connector

**3. Connector B**
B3 = SC Balistix™ UPC
B5 = SC Balistix™ APC
O5 = HFOC APC
O3 = HFOC UPC
S3 = SC UPC
S5 = SC APC
L3 = LC UPC
L5 = LC APC
NC = No Connector

**4. Length (FT)**
0F-2000F




**MRT-1**
PPC Messenger Removal Tool




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

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