

HCA-H01D



Fiber Optic Drop Cable Assembly, PRODIGY™ Full size converter to Stub, USD Toneable cable

- Cable assembly with the Prodigy™ small form hardened connector
- Compact and small footprint, space-saving design for high-density environments
- Compatible with multiple hardened connectors
- *Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

Product Classification

| | |
|--------------------------------|---|
| Regional Availability | Latin America North America |
| Product Type | Fiber drop cable assembly |
| Product Brand | PRODIGY™ |
| Product Series | HCA |
| Government Requirements | Build America Buy America (BABA) compliant* |

General Specifications

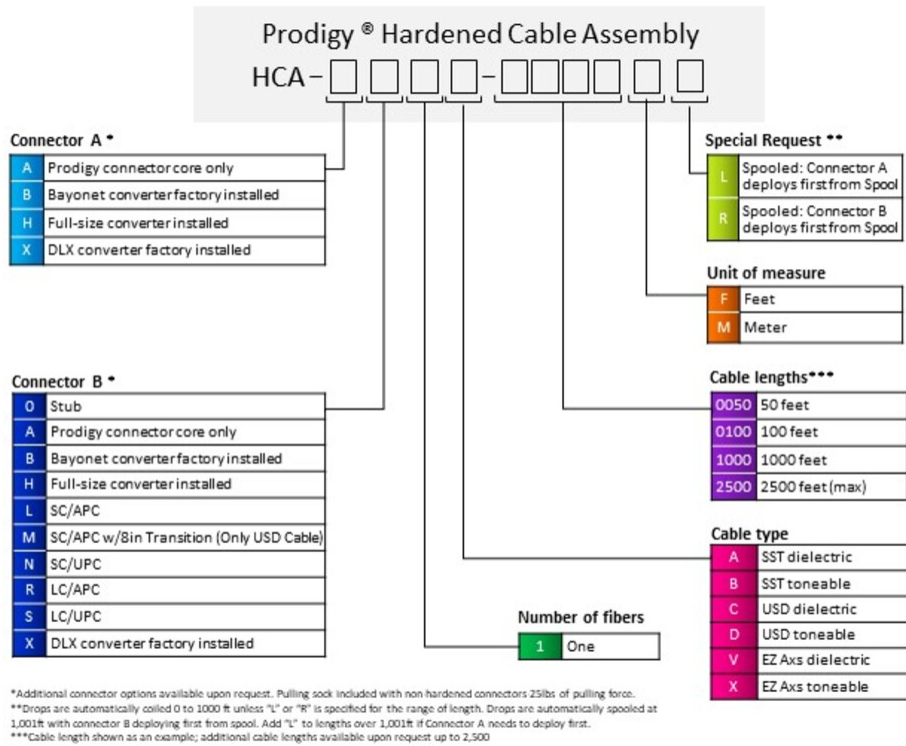
| | |
|----------------------------------|---|
| Cable Type | Toneable - Universal Flat |
| Connector A, quantity | 1 |
| Color, boot A | Black |
| Color, connector A | Black |
| Interface, Connector A | Prodigy® with full size converter installed |
| Interface, Connector B | Unterminated |
| Jacket Color | Black |
| Location of Manufacturing | Catawba, North Carolina |
| Total Fibers, quantity | 1 |

Dimensions

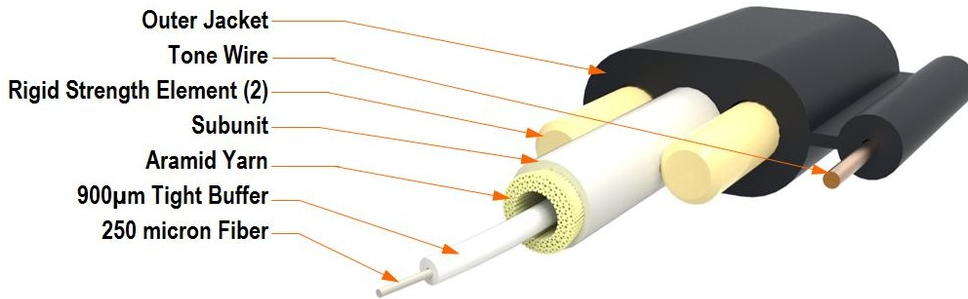
| | |
|---|-------------------------------|
| Cable Assembly Length Range (ft) | 1 – 2000 |
| Cable Outer Diameter | 4.6 x 9.9 mm (0.18 x 0.39 in) |

Ordering Tree

HCA-HOLD



Representative Image



Mechanical Specifications

| | |
|--|------------------------|
| Minimum Bend Radius, loaded | 91.44 mm 3.6 in |
| Minimum Bend Radius, unloaded | 60 mm 2.362 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1350 N 303.492 lbf |
| Cable Crush Resistance, maximum | 10 N/mm 57.101 lb/in |

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| Dust Cap Pulling Force, minimum | 445 N 100.04 lbf |
| Mating Durability, maximum | 0.5 dB @ 100 cycles |

Optical Specifications

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|---|-------------|
| Fiber Mode | Singlemode |
| Fiber Type | G.657.A2/B2 |
| Insertion Loss, maximum, connector A | 0.4 dB |
| Insertion Loss, typical | 0.15 dB |
| Return Loss, minimum, connector A | 65 dB |

Environmental Specifications

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|---------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Environmental Space | Outdoor |
| Jacket UV Resistance | UV stabilized |
| Qualification Standards | Telcordia GR-3120-CORE |

Packaging and Weights

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|---------------------|--------------------------|
| Cable weight | 19 kg/km 12.767 lb/kft |
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