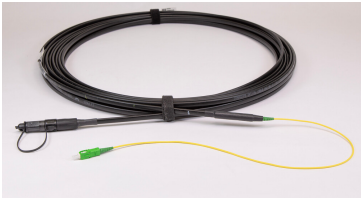


# HCA-XL1A



## Fiber Optic Drop Cable Assembly, PRODIGY™ Connector Core with DLX converter to SC/APC connector, SST Dielectric 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

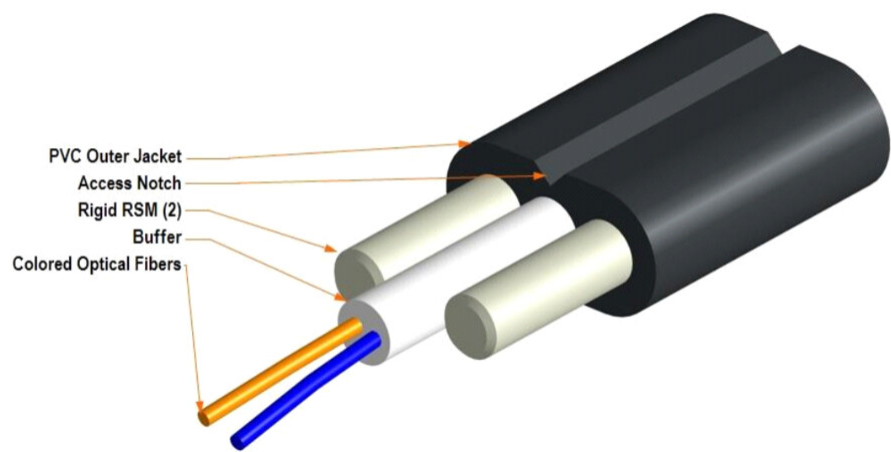
Cable Type	Dielectric - Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Color, boot B	Green
Color, connector B	Green
Interface, Connector A	Prodigy® with DLX converter installed
Interface, Connector B	SC/APC
Jacket Color	Black
Location of Manufacturing	Catawba, North Carolina
Total Fibers, quantity	1

### Dimensions

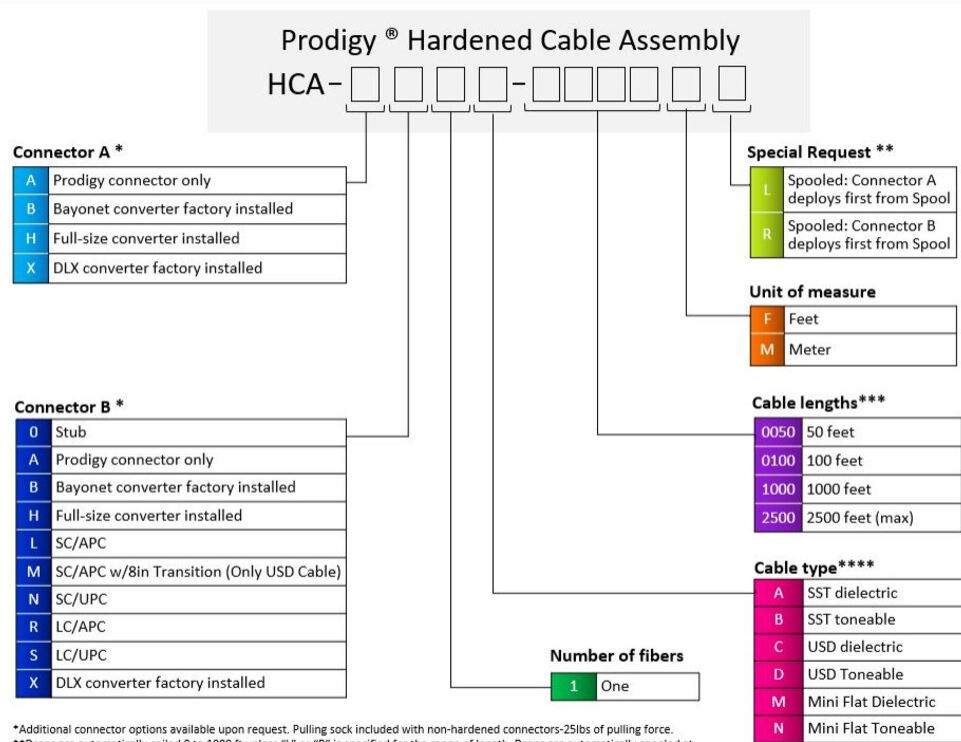
Cable Assembly Length Range (ft)	1 – 2000
Cable Outer Diameter	4.5 x 8.0 mm (0.18 x 0.31 in)

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## Outline Drawing



## Ordering Tree



\*Additional connector options available upon request. Pulling sock included with non-hardened connectors-25lbs of pulling force.  
\*\*Drops are automatically coiled 0 to 1000 ft unless "L" or "R" is specified for the range of length. Drops are automatically spooled at 1,001ft with connector B deploying first from spool. Add "L" to lengths over 1,001ft if Connector A needs to deploy first.  
\*\*\*Cable length shown as an example; additional cable lengths available upon request up to 2,500  
\*\*\*\*Q3 2025 availability for Mini Flat Cable

## Mechanical Specifications

**Minimum Bend Radius, loaded** 90 mm | 3.543 in

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Minimum Bend Radius, unloaded	81 mm   3.189 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1334 N   299.895 lbf
Cable Crush Resistance, maximum	10 N/mm   57.101 lb/in
Dust Cap Pulling Force, minimum	445 N   100.04 lbf
Mating Durability, maximum	0.5 dB @ 100 cycles

## Optical Specifications

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

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °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

Cable weight	39 kg/km   26.207 lb/kft
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