

# HCA-A01V

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## Fiber Optic Drop Cable Assembly, PRODIGY™ Connector Core to Stub, EZ AXS 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 Classification

<b>Regional Availability</b>	Asia   EMEA   Europe   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber drop cable assembly
<b>Product Brand</b>	PRODIGY™
<b>Product Series</b>	HCA

### General Specifications

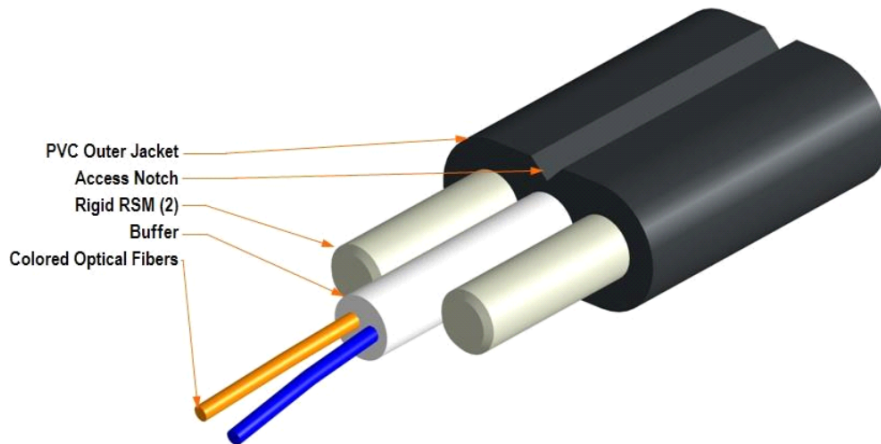
<b>Cable Type</b>	Dielectric - Flat
<b>Connector A, quantity</b>	1
<b>Color, boot A</b>	Black
<b>Color, connector A</b>	Black
<b>Interface, Connector A</b>	Prodigy
<b>Interface, Connector B</b>	Unterminated
<b>Jacket Color</b>	Black
<b>Total Fibers, quantity</b>	1

### Dimensions

<b>Cable Assembly Length Range (ft)</b>	1 – 2000
<b>Cable Outer Diameter</b>	6.0 mm (0.24 in)

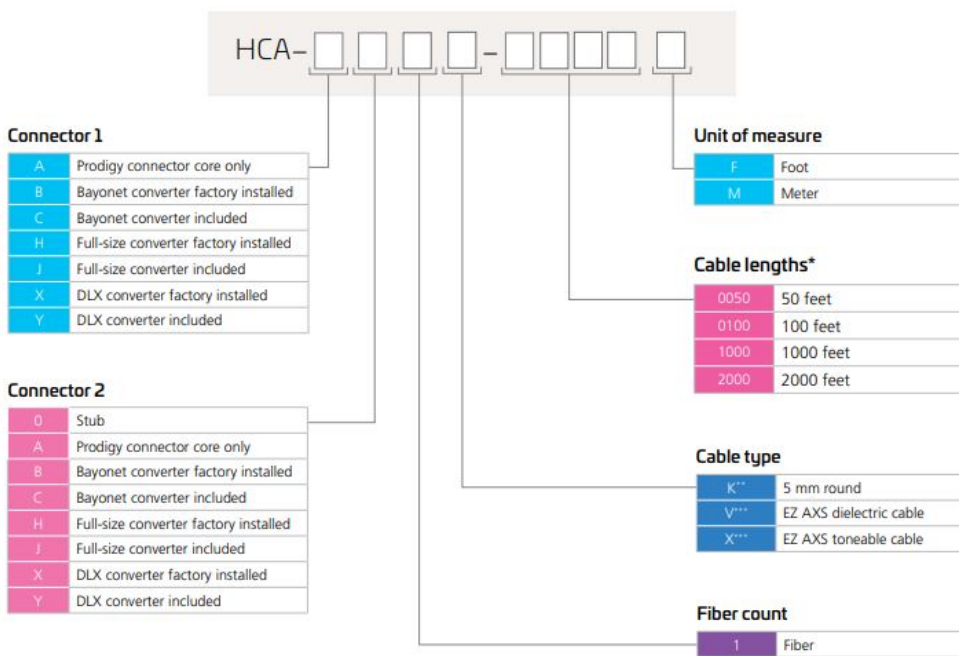
### Outline Drawing

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## Ordering Tree

### Prodigy Hardened Cable Assembly



\* Cable length shown as an example; additional cable lengths available upon request up to 2,000 ft (600 m)  
 \*\* Cable K type lengths only available up to 1,300 ft (400 m)  
 \*\*\* Cable V and X types available in lengths up to 2,000 ft (600 m)

## Mechanical Specifications

**Minimum Bend Radius, loaded** 60 mm | 2.362 in

**Minimum Bend Radius, unloaded** 60 mm | 2.362 in

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<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1350 N   303.492 lbf
<b>Cable Crush Resistance, maximum</b>	10 N/mm   57.101 lb/in
<b>Dust Cap Pulling Force, minimum</b>	445 N   100.04 lbf
<b>Mating Durability, maximum</b>	0.5 dB @ 100 cycles

## Optical Specifications

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

## Environmental Specifications

<b>Installation temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Environmental Space</b>	Outdoor
<b>Jacket UV Resistance</b>	UV stabilized
<b>Qualification Standards</b>	Telcordia GR-3120-CORE

## Packaging and Weights

<b>Cable weight</b>	19 kg/km   12.767 lb/kft
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