

# HCA-AL1C

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Fiber Optic Drop Cable Assembly, Prodigy connector core only to SC /APC, USD flat dielectric cable

- Hardened connectors are factory-terminated and environmentally sealed for use in optical drop cable deployments
- Hardened drop cables incorporate hardened connector technology that is designed to withstand the rugged outside plant environment
- Hardened drop cables simplify installation and maintenance by reducing splicing requirements in the distribution portion of the network

## Product Classification

<b>Regional Availability</b>	Latin America   North America
<b>Product Type</b>	Fiber drop cable assembly
<b>Product Brand</b>	PRODIGY™
<b>Product Series</b>	HCA
<b>Government Funding</b>	Build America Buy America (BABA) compliant*

## General Specifications

<b>Cable Type</b>	Dielectric - Universal Flat
<b>Connector A, quantity</b>	1
<b>Color, boot A</b>	Black
<b>Color, connector A</b>	Black
<b>Connector B, quantity</b>	1
<b>Color, boot B</b>	Green
<b>Color, connector B</b>	Green
<b>Interface, Connector A</b>	Prodigy®
<b>Interface, Connector B</b>	SC/APC with pulling sock
<b>Jacket Color</b>	Black
<b>Total Fibers, quantity</b>	1
<b>Transmission Standards</b>	IEC 61753-1   IEC 61754-4   IEC 61755

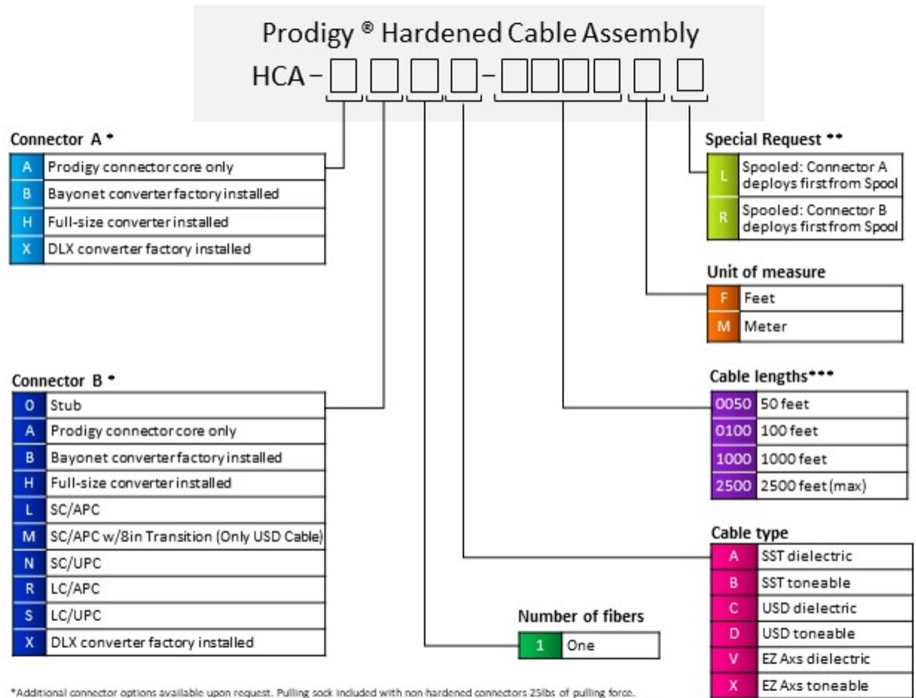
## Dimensions

<b>Breakout Length, connector B</b>	457.2 mm   18 in
<b>Cable Assembly Length Range (m)</b>	1 – 900

# HCA-ALIC

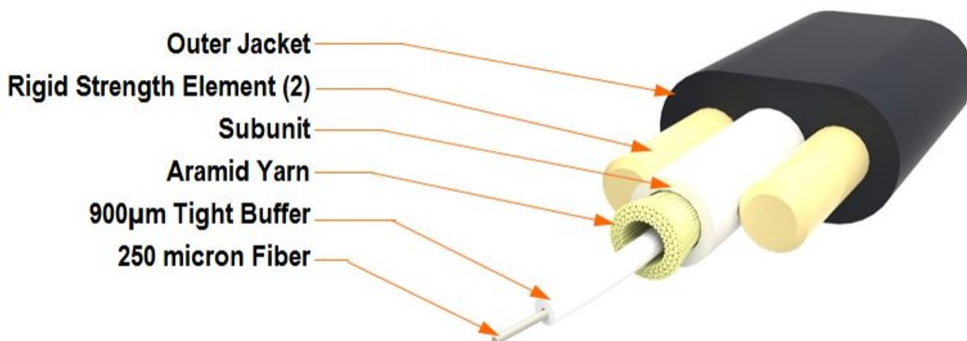
**Cable Assembly Length Range (ft)** 50 – 2000  
**Cable Outer Diameter** 4.6 x 8.0 mm (0.18 x 0.31 in)

## 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

## Representative Image



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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	92 mm   3.622 in
<b>Minimum Bend Radius, unloaded</b>	64 mm   2.52 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1334 N   299.895 lbf
<b>Cable Crush Resistance, maximum</b>	44 N/mm   251.246 lb/in
<b>Pulling Tension, maximum</b>	11.34 kg   25 lb

## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	G.657.A2, TeraSPEED®
<b>Insertion Loss, maximum, connector A</b>	0.4 dB
<b>Insertion Loss, maximum, connector B</b>	0.4 dB
<b>Return Loss, minimum, connector A</b>	65 dB
<b>Return Loss, minimum, connector B</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 +75 °C (-40 °F to +167 °F)
<b>Environmental Space</b>	Outdoor
<b>Jacket UV Resistance</b>	UV stabilized
<b>Qualification Standards</b>	NEMA type 6, 10 ft waterhead   Telcordia GR-20   Telcordia GR-3120

## Packaging and Weights

<b>Cable weight</b>	34.4 kg/km   23.116 lb/kft
<b>Packaging quantity</b>	1