

HCA-HL1V



Fiber Optic Drop Cable Assembly, PRODIGY™ Connector Core w/Full Size Converter to SC/APC connector, EZ AXS Dielectric Cable

- Cable assembly with the Prodigy™ small form hardened connector
- Compact and small footprint, space-saving design for high-density environments
- Converter kits are preassembled for ease of installation

Product Classification

Regional Availability	Latin America North America
Portfolio	CommScope®
Product Type	Fiber drop cable assembly
Product Brand	PRODIGY™
Product Series	HCA

General Specifications

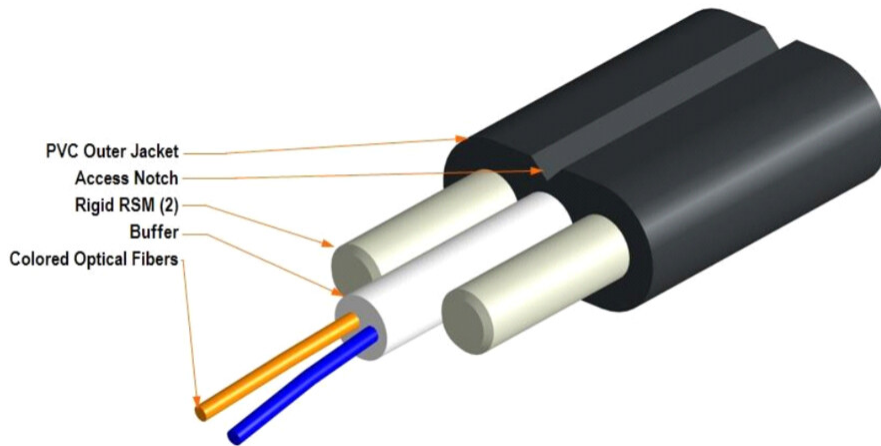
Cable Type	Dielectric - EZ Axs
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Connector B, quantity	1
Color, boot B	Green
Color, connector B	Green
Interface, Connector A	Prodigy® with full size converter installed
Interface, Connector B	SC/APC
Jacket Color	Black
Total Fibers, quantity	1

Dimensions

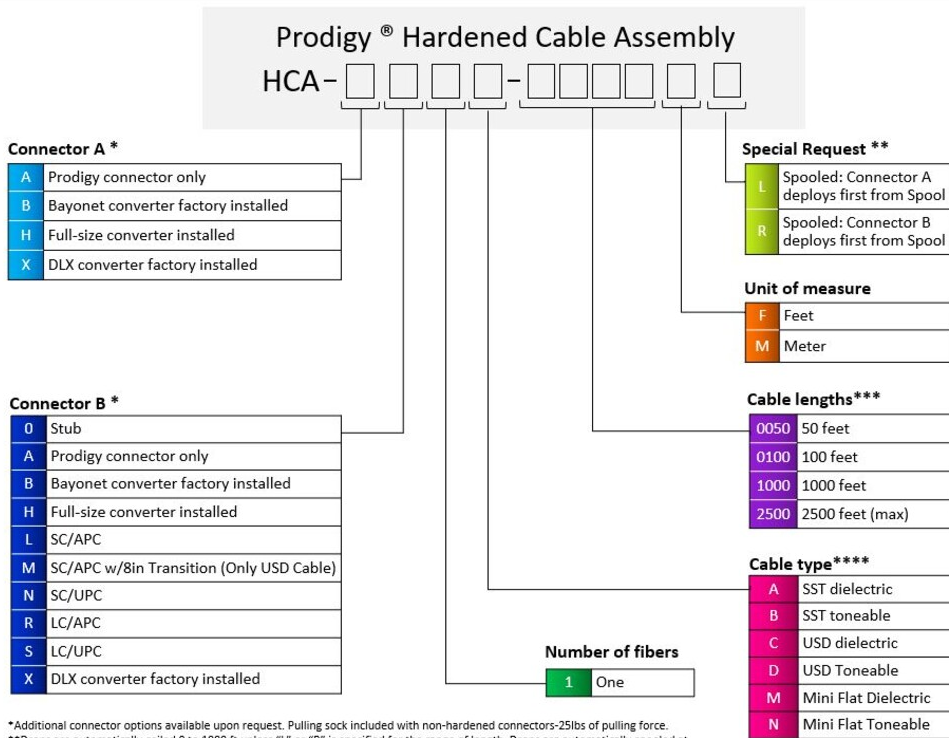
Breakout Length, connector B	457.2 mm 18 in
Cable Assembly Length Range (ft)	1 – 2000
Cable Outer Diameter	6.0 mm (0.24 in)

Outline Drawing

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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	60 mm 2.362 in
Minimum Bend Radius, unloaded	60 mm 2.362 in
Tensile Load, long term, maximum	400 N 89.924 lbf

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Tensile Load, short term, maximum	1350 N 303.492 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, maximum, connector B	0.4 dB
Insertion Loss, typical	0.15 dB
Return Loss, minimum, connector A	65 dB
Return Loss, minimum, connector B	65 dB

Environmental Specifications

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 +85 °C (-40 °F to +185 °F)
Environmental Space	Outdoor
Jacket UV Resistance	UV stabilized
Qualification Standards	Telcordia GR-3120-CORE

Packaging and Weights

Cable weight	19 kg/km 12.767 lb/kft
Packaging quantity	1