

HCA-HL1D



Fiber Optic Drop Cable Assembly, PRODIGY™ Connector w/ Full Size Converter to SC/APC connector, USD ToneableCable

- 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

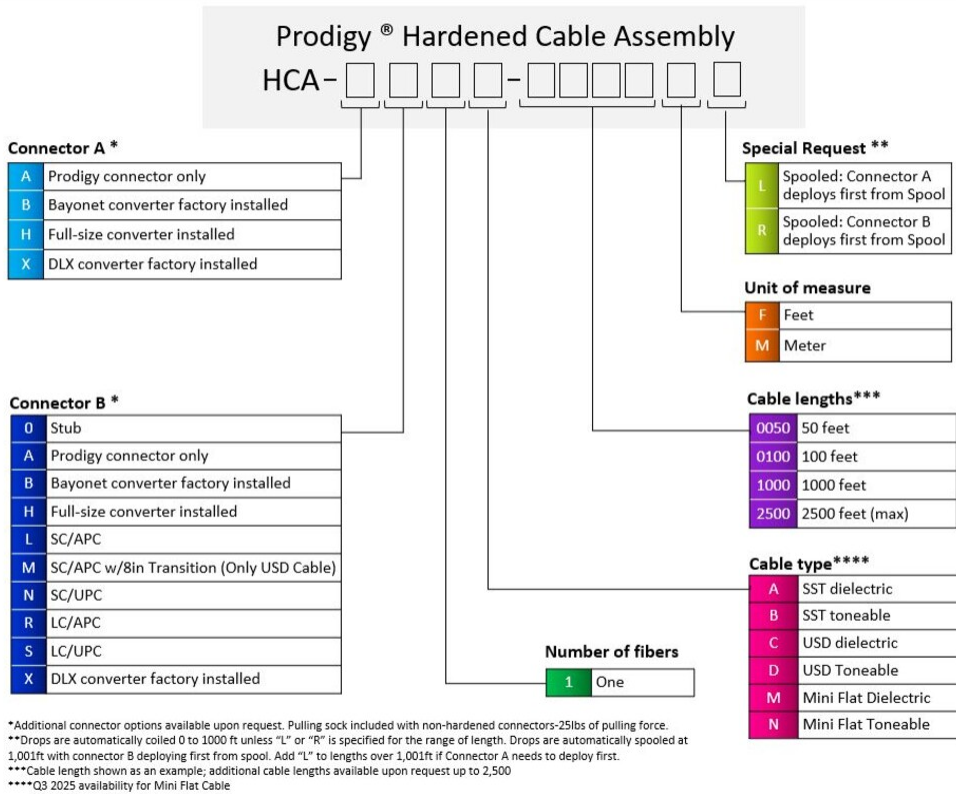
Cable Type	Toneable - Universal Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Interface, Connector A	Prodigy® with full size converter installed
Interface, Connector B	SC/APC
Jacket Color	Black
Location of Manufacturing	Catawba, North Carolina
Total Fibers, quantity	1

Dimensions

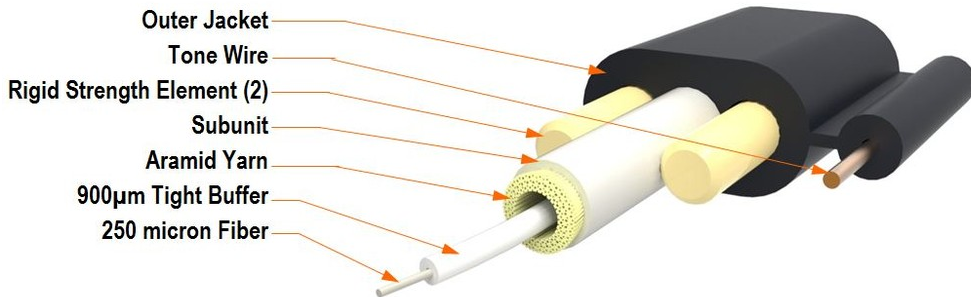
Cable Assembly Length Range (ft)	1 – 2000
Cable Outer Diameter	4.6 x 8.0 mm (0.18 x 0.31 in)

Ordering Tree

HCA-HL1D



Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	92 mm 3.622 in
Minimum Bend Radius, unloaded	64 mm 2.52 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1334 N 299.895 lbf

HCA-HL1D

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 +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

Cable weight	34.4 kg/km 23.116 lb/kft
---------------------	----------------------------