

HCA-A01C



Fiber Optic Drop Cable Assembly, PRODIGY™ Connector Core to Stub, USD 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

Regional Availability	Asia EMEA Europe Latin America North America
Product Type	Fiber drop cable assembly
Product Brand	PRODIGY™
Product Series	HCA

General Specifications

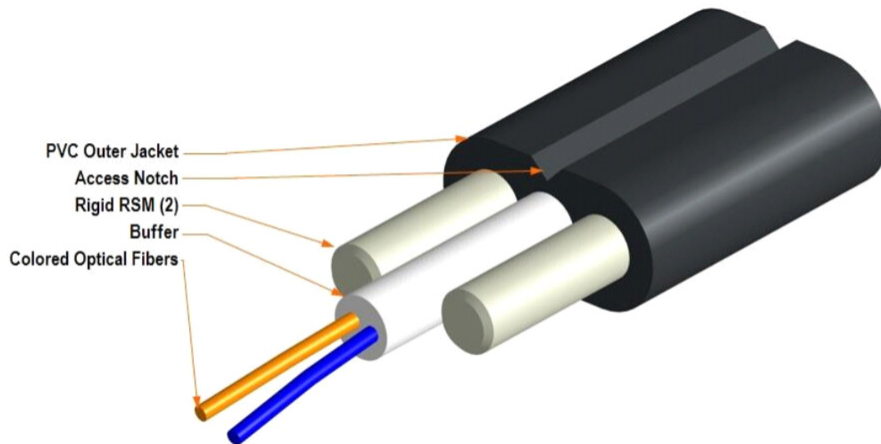
Cable Type	Dielectric - Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Interface, Connector A	Prodigy
Interface, Connector B	Unterminated
Jacket Color	Black
Total Fibers, quantity	1

Dimensions

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

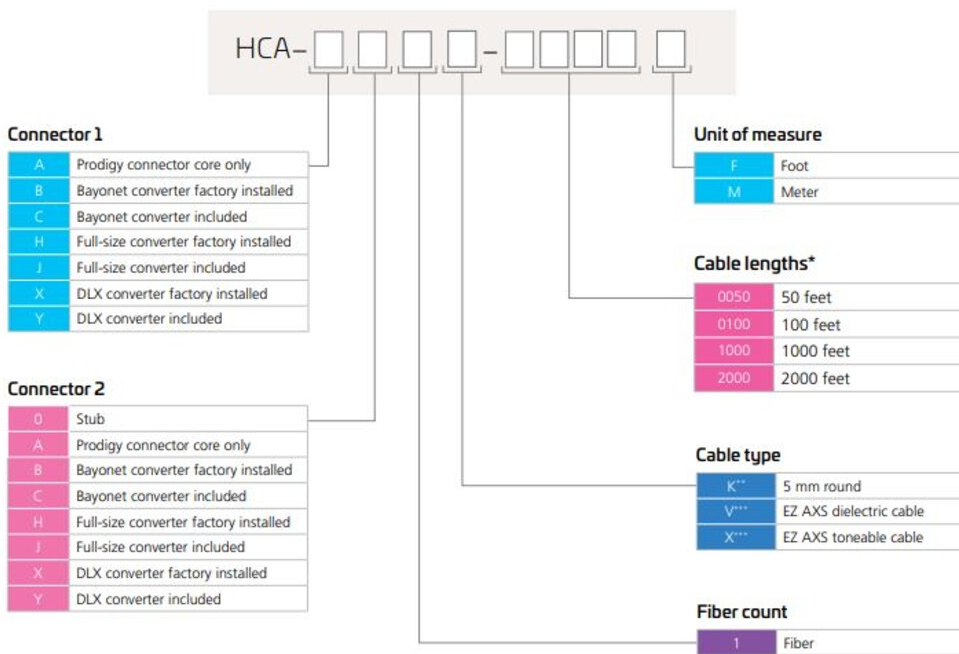
Outline Drawing

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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 92 mm | 3.622 in

Minimum Bend Radius, unloaded 64 mm | 2.52 in

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Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1334 N 299.895 lbf
Cable Crush Resistance, maximum	22 N/mm 125.623 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
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