

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

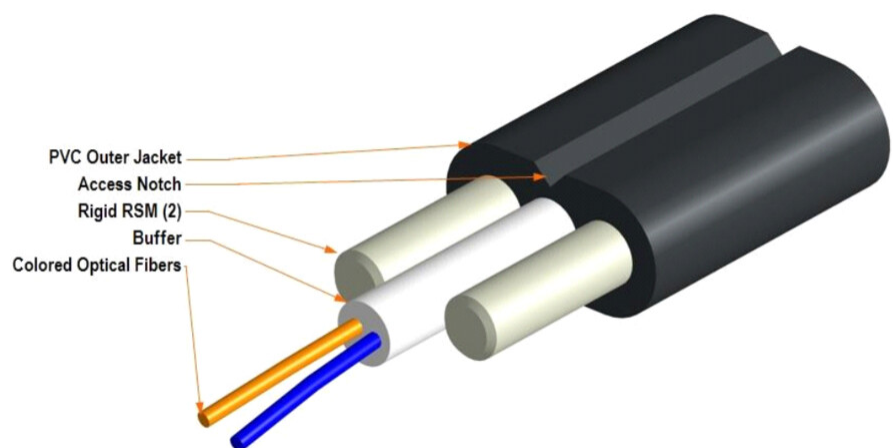
General Specifications

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



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
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)

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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