HCA-HL1X

Fiber Optic Drop Cable Assembly, PRODIGY™Core Connector with Full Size Converter to SC/APC connector, EZ AXS Toneable 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	Latin America | North America
Product Type	Fiber drop cable assembly
Product Brand	PRODIGY™
Product Series	HCA

General Specifications

Cable Type	Toneable - 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

Cable Assembly Length Range (ft)	1 – 2000
Cable Outer Diameter	6.0 mm (0.24 in)

Ordering Tree

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Prodigy ® Hardened Cable Assembly

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Connector A *

A	Prodigy connector only
B	Bayonet converter factory installed
H	Full-size converter installed
X	DLX converter factory installed

Special Request **

L	Spooled: Connector A deploys first from Spool
R	Spooled: Connector B deploys first from Spool

Unit of measure

F	Feet
M	Meter

Connector B *

0	Stub
A	Prodigy connector only
B	Bayonet converter factory installed
H	Full-size converter installed
L	SC/APC
M	SC/APC w/8in Transition (Only USD Cable)
N	SC/UPC
R	LC/APC
S	LC/UPC
X	DLX converter factory installed

Cable lengths***

0050	50 feet
0100	100 feet
1000	1000 feet
2500	2500 feet (max)

Cable type****

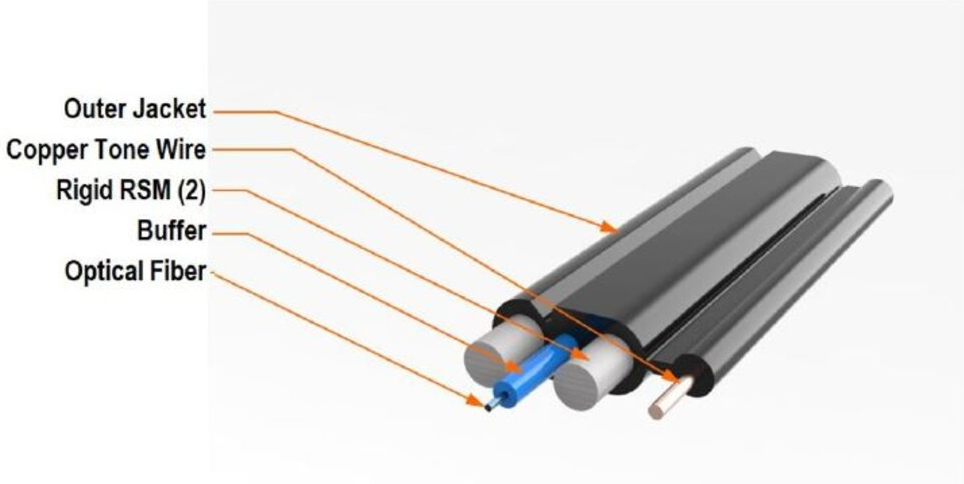
A	SST dielectric
B	SST toneable
C	USD dielectric
D	USD Toneable
M	Mini Flat Dielectric
N	Mini Flat Toneable

Number of fibers

1	One

*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

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	60 mm | 2.362 in
Minimum Bend Radius, unloaded	60 mm | 2.362 in

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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, 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 ºC to +70 ºC (-40 ºF to +158 ºF)
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

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