

# HCA-DP1F

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Fiber Optic Drop Cable assembly/Extender , PRODIGY™ Connector w/ Female Full Size and Bayonet Converter + male full size and Bayonet converter included. 3.4 mm round 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

<b>Regional Availability</b>	EMEA
<b>Product Type</b>	Fiber drop cable assembly
<b>Product Brand</b>	PRODIGY™
<b>Product Series</b>	HCA

## General Specifications

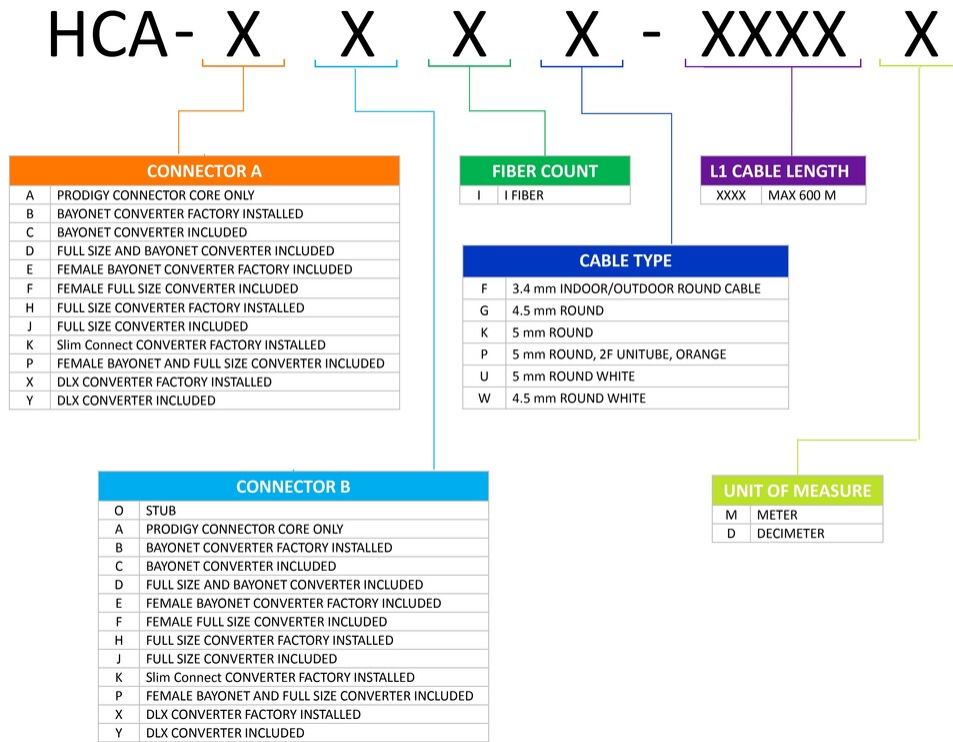
<b>Cable Type</b>	Dielectric - Round
<b>Connector A, quantity</b>	1
<b>Color, boot A</b>	Black
<b>Color, connector A</b>	Black
<b>Interface, Connector A</b>	Prodigy®
<b>Interface, Connector B</b>	Unterminated
<b>Jacket Color</b>	Black
<b>Total Fibers, quantity</b>	1

## Dimensions

<b>Cable Assembly Length Range (m)</b>	3 – 609
<b>Cable Outer Diameter</b>	5.0 mm (0.20 in)

## Ordering Tree

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	75 mm   2.953 in
<b>Minimum Bend Radius, unloaded</b>	25 mm   0.984 in
<b>Tensile Load, long term, maximum</b>	300 N   67.443 lbf
<b>Tensile Load, short term, maximum</b>	1200 N   269.771 lbf
<b>Cable Crush Resistance, maximum</b>	10 N/mm   57.101 lb/in
<b>Dust Cap Pulling Force, minimum</b>	445 N   100.04 lbf
<b>Mating Durability, maximum</b>	0.5 dB @ 100 cycles

## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	G.657.A2, TeraSPEED®
<b>Insertion Loss, maximum, connector A</b>	0.4 dB
<b>Insertion Loss, typical</b>	0.15 dB
<b>Return Loss, minimum, connector A</b>	65 dB

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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +60 °C (-32 °F to +140 °F)
<b>Operating Temperature</b>	-25 °C to +70 °C (-13 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Environmental Space</b>	Outdoor
<b>Jacket UV Resistance</b>	UV stabilized
<b>Qualification Standards</b>	IEC 61753-1

## Packaging and Weights

<b>Cable weight</b>	30 kg/km   20.159 lb/kft
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