

HCA-A01G



Fiber Optic Drop Cable Assembly, PRODIGY™ Connector Core to Stub, 4.5 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

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

General Specifications

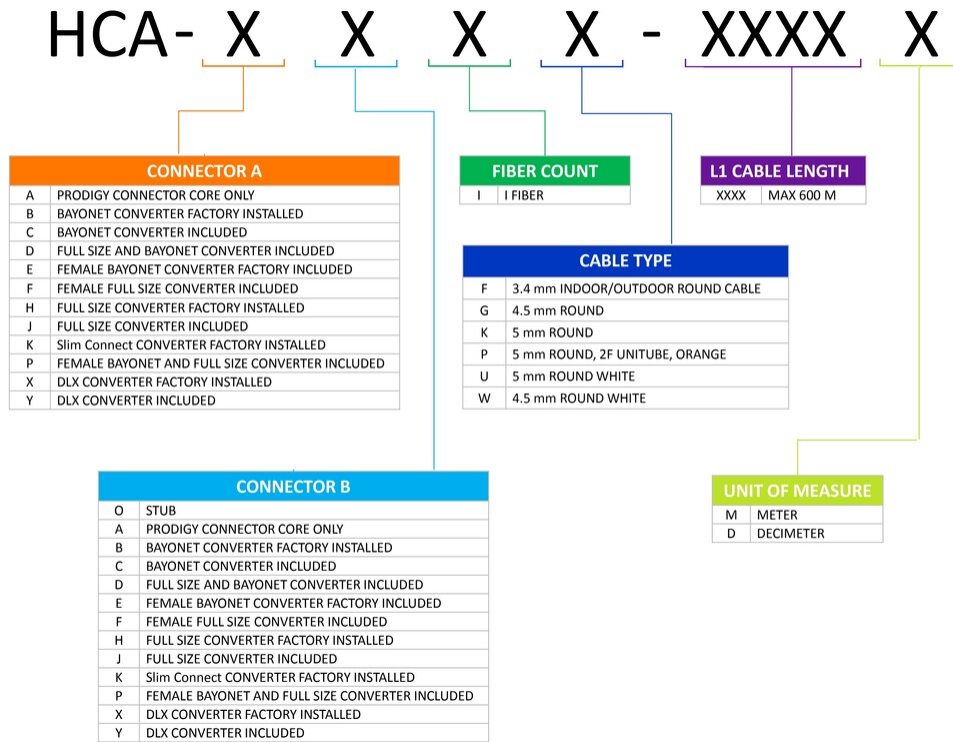
Cable Type	Dielectric - Round
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Interface, Connector A	Prodigy®
Interface, Connector B	Unterminated
Jacket Color	Black
Total Fibers, quantity	1

Dimensions

Cable Assembly Length Range (m)	3 – 609
Cable Outer Diameter	4.5 mm (0.18 in)

Ordering Tree

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Mechanical Specifications

Minimum Bend Radius, loaded	75 mm 2.953 in
Minimum Bend Radius, unloaded	25 mm 0.984 in
Tensile Load, long term, maximum	300 N 67.443 lbf
Tensile Load, short term, maximum	1200 N 269.771 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, TeraSPEED®
Insertion Loss, maximum, connector A	0.4 dB
Insertion Loss, typical	0.15 dB
Return Loss, minimum, connector A	65 dB

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Environmental Specifications

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

Packaging and Weights

Cable weight	30 kg/km 20.159 lb/kft
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