

# FHD-HV1A



## Fiber Optic Drop Cable Assembly, Hardened Full-Size to LC/APC, Dielectric Flat

- Hardened connectors are factory-terminated and environmentally sealed for use in optical drop cable deployments
- Hardened drop cables incorporate hardened connector technology that is designed to withstand the rugged outside plant environment
- Hardened drop cables simplify installation and maintenance by reducing splicing requirements in the distribution portion of the network

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Europe   Latin America   North America
<b>Product Type</b>	Fiber drop cable assembly
<b>Product Series</b>	FHD
<b>Ordering Note</b>	Drops are automatically coiled 0 to 1,000 ft (305 m), unless spool option "L" or "R" is specified for this range of length   Drops are automatically spooled at 1,001 ft (306 m) with connector B deploying first from spool

## General Specifications

<b>Cable Type</b>	Dielectric - Flat
<b>Connector A, quantity</b>	1
<b>Color, boot A</b>	Black
<b>Color, connector A</b>	Black
<b>Connector B, quantity</b>	1
<b>Color, boot B</b>	Green
<b>Color, connector B</b>	Green
<b>Interface, Connector A</b>	Hardened full-size SC/APC
<b>Interface, Connector B</b>	LC/APC
<b>Jacket Color</b>	Black
<b>Total Fibers, quantity</b>	1

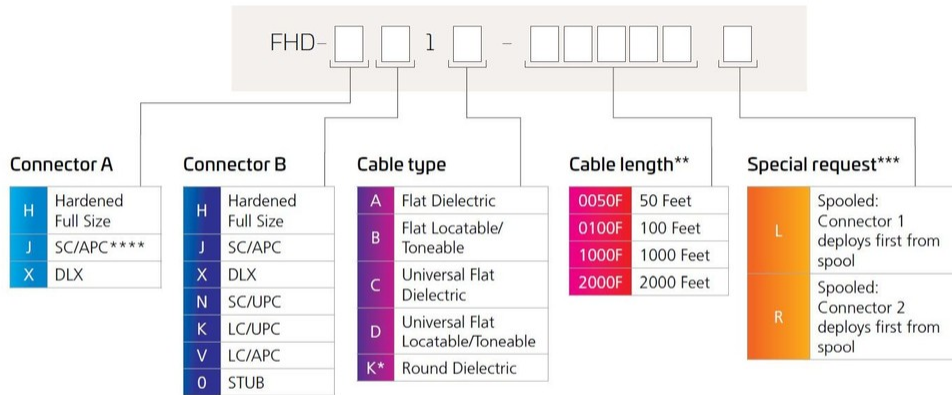
## Dimensions

<b>Breakout Length, connector B</b>	457.2 mm   18 in
<b>Cable Assembly Length Range (m)</b>	1 – 900

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<b>Cable Assembly Length Range (ft)</b>	50 – 2000
<b>Cable Outer Diameter</b>	4.3 x 8.0 mm (0.17 x 0.31 in)

## Ordering Tree



\* Cable Type K not available with LC & SC Options  
 \*\* Cable Length shown as an example, additional cable lengths available upon request up to 2,000 ft. (600 m).  
 \*\*\* Special Request Feature not available with cable types K.  
 Drops are automatically coiled 0 to 1,000 ft. unless "L" or "R" is specified for this range of length.  
 Drops are automatically spooled at 1,001 ft. with Connector B deploying first from spool. Add "L" to lengths over 1,001 ft. if Connector A needs to deploy first.  
 \*\*\*\* Includes pulling sock - 25 lbs. of pulling force

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	86 mm   3.386 in
<b>Minimum Bend Radius, unloaded</b>	81 mm   3.189 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1334 N   299.895 lbf
<b>Cable Crush Resistance, maximum</b>	22 N/mm   125.623 lb/in

## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	G.657.A1/A2
<b>Insertion Loss, maximum, connector A</b>	0.4 dB
<b>Insertion Loss, maximum, connector B</b>	0.4 dB
<b>Return Loss, minimum, connector A</b>	65 dB
<b>Return Loss, minimum, connector B</b>	65 dB

## Environmental Specifications

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<b>Installation temperature</b>	-30 °C to +70 °C (-22 °F to +158 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Environmental Space</b>	Outdoor
<b>Jacket UV Resistance</b>	UV stabilized
<b>Qualification Standards</b>	NEMA type 6, 10 ft waterhead   Telcordia GR-20   Telcordia GR-3120

## Packaging and Weights

<b>Cable weight</b>	39 kg/km   26.207 lb/kft
<b>Packaging quantity</b>	1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

