

# FHD-HN1A



## Fiber Optic Drop Cable Assembly, hardened full-size to SC/UPC, 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 complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Product Type	Fiber drop cable assembly
Product Series	FHD
Government Requirements	Build America Buy America (BABA) compliant*
Ordering Note	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

Cable Type	Dielectric - Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Connector B, quantity	1
Color, boot B	Blue
Color, connector B	Blue
Interface, Connector A	Hardened full-size SC/APC
Interface, Connector B	SC/UPC
Jacket Color	Black
Location of Manufacturing	Catawba, North Carolina

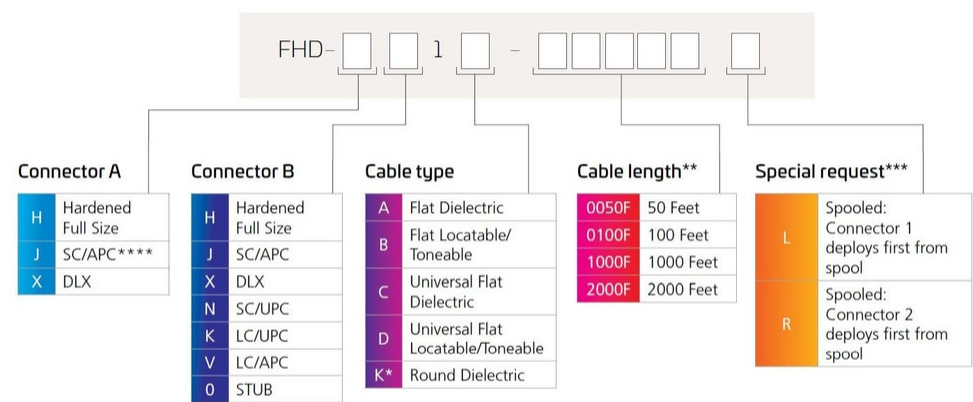
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Total Fibers, quantity	1
Transmission Standards	IEC 61753-1   IEC 61754-4   IEC 61755

## Dimensions

Cable Assembly Length Range (m)	1 – 900
Cable Assembly Length Range (ft)	50 – 2000
Cable Outer Diameter	4.3 x 8.0 mm (0.17 x 0.31 in)

## Ordering Tree



\*

Cable Type K not available with LC & SC Options

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Cable Length shown as an example, additional cable lengths available upon request up to 2,000 ft. (600 m).

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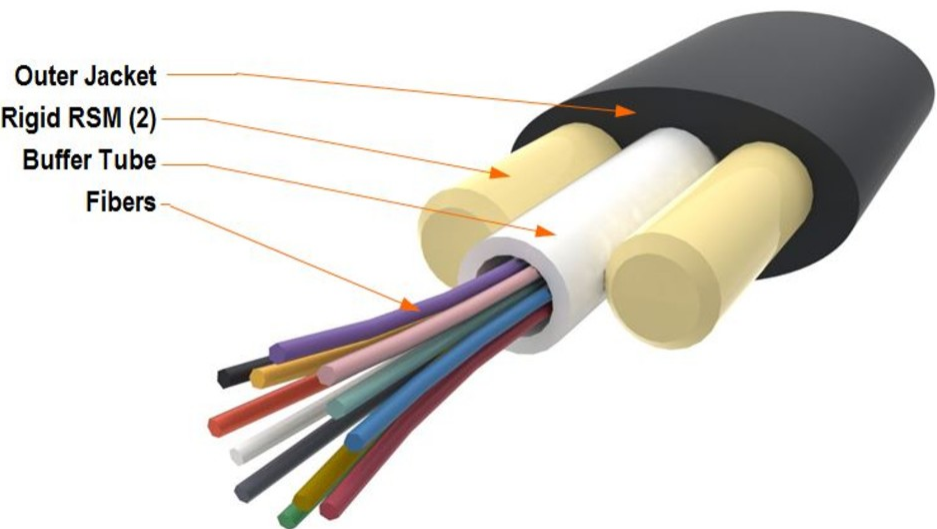
Special Request Feature not available with cable types K.  
Drops are automatically coiled 0 to 1,000 ft. unless "L" or "R" is specified for this range of length.  
Drops are automatically spooled at 1,001 ft. with Connector B deploying first from spool. Add "L" to lengths over 1,001 ft. if Connector A needs to deploy first.

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Includes pulling sock - 25 lbs. of pulling force

## Representative Image

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## Mechanical Specifications

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

## Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.657.A1/A2
Insertion Loss, maximum, connector A	0.4 dB
Insertion Loss, maximum, connector B	0.4 dB
Return Loss, minimum, connector A	65 dB
Return Loss, minimum, connector B	55 dB

## Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Environmental Space	Outdoor

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Jacket UV Resistance	UV stabilized
Qualification Standards	NEMA type 6, 10 ft waterhead   Telcordia GR-20   Telcordia GR-3120

## Packaging and Weights

Cable weight	36 kg/km   24.191 lb/kft
Packaging quantity	1

## Regulatory Compliance/Certifications

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

