

# FHD-HN1B



## Fiber Optic Drop Cable Assembly, hardened full-size to SC/UPC, locatable 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   Europe   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	Locatable - 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

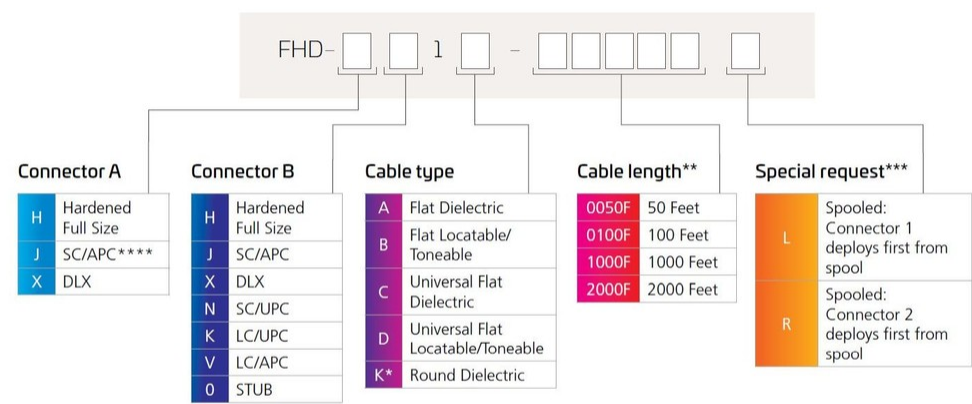
# FHD-HN1B

Location of Manufacturing	Catawba, North Carolina
Total Fibers, quantity	1
Transmission Standards	IEC 61753-1   IEC 61754-4   IEC 61755

## Dimensions

Breakout Length, connector B	457.2 mm   18 in
Cable Assembly Length Range (m)	1 – 750
Cable Assembly Length Range (ft)	50 – 2000
Cable Outer Diameter	4.3 x 9.9 mm (0.17 x 0.39 in)

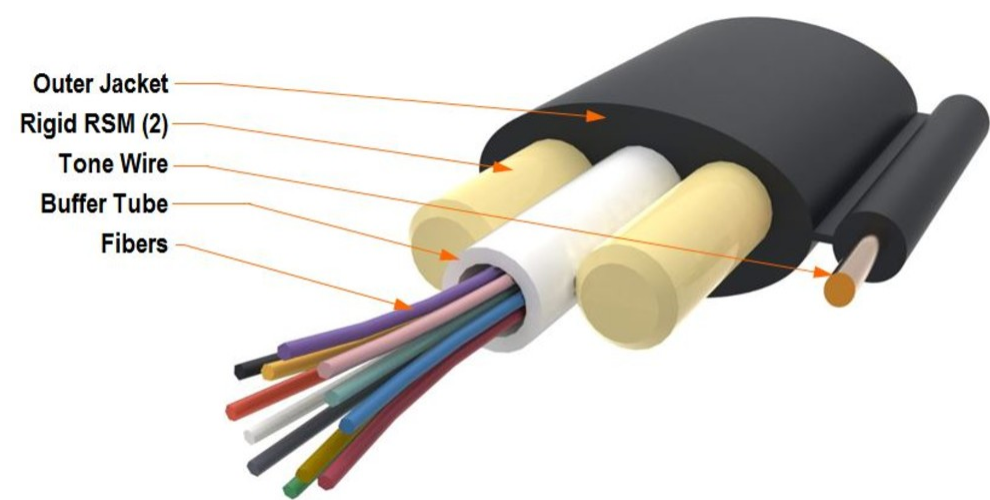
## Ordering Tree



\* 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

## Representative Image

# FHD-HN1B



## Mechanical Specifications

Minimum Bend Radius, loaded	86.36 mm   3.4 in
Minimum Bend Radius, unloaded	81.28 mm   3.2 in
Tensile Load, long term, maximum	400.34 N   90 lbf
Tensile Load, short term, maximum	1,334.466 N   300 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, buried
Jacket UV Resistance	UV stabilized

# FHD-HN1B

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="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

