

FHD-JN1D



Fiber Optic Drop Cable Assembly, SC/APC to SC/UPC, universal flat locatable/tonable

- 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 | Locatable - Universal Flat |
| Connector A, quantity | 1 |
| Color, boot A | Green |
| Color, connector A | Green |
| Connector B, quantity | 1 |
| Color, boot B | Blue |
| Color, connector B | Blue |
| Interface, Connector A | SC/APC with pulling sock |
| Interface, Connector B | SC/UPC |
| Jacket Color | Black |
| Location of Manufacturing | Catawba, North Carolina |

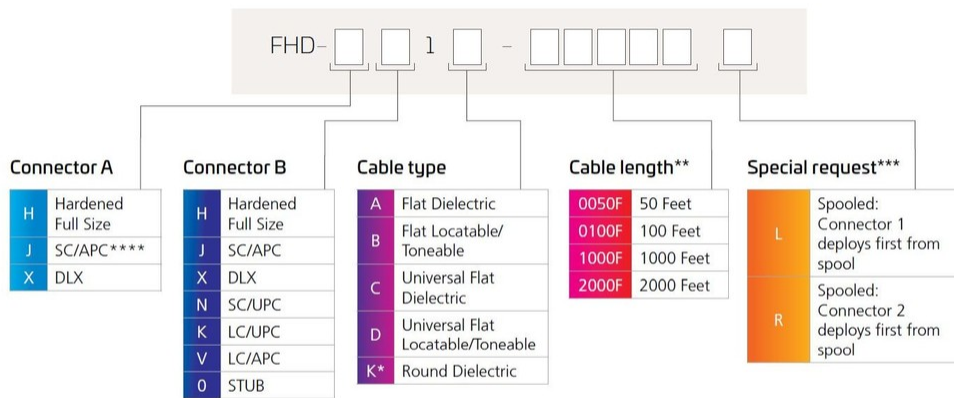
FHD-JN1D

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

Dimensions

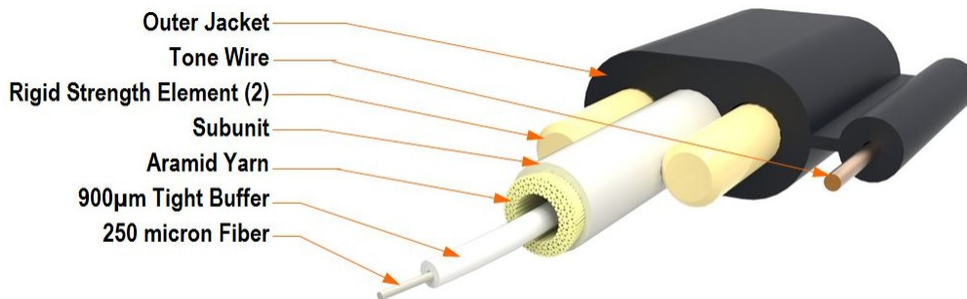
| | |
|---|-------------------------------|
| Cable Assembly Length Range (m) | 1 – 750 |
| Cable Assembly Length Range (ft) | 50 – 2000 |
| Cable Outer Diameter | 4.6 x 7.4 mm (0.18 x 0.29 in) |

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



Mechanical Specifications

| | |
|------------------------------------|-------------------|
| Minimum Bend Radius, loaded | 91.44 mm 3.6 in |
|------------------------------------|-------------------|

FHD-JN1D

| | |
|--|-------------------------|
| Minimum Bend Radius, unloaded | 63.5 mm 2.5 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 | 44 N/mm 251.246 lb/in |

Optical Specifications

| | |
|---|----------------------|
| Fiber Mode | Singlemode |
| Fiber Type | G.657.A2, TeraSPEED® |
| 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

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|---------------------------------|--|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °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 |
| 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 www.commscope.com/ProductCompliance |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |

