

# FHD-X01A



## DLX® Fiber Optic Hardened Drop Cable Assembly, DLX-stub, 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

### Alternative products available:

HCA-X01A

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

## 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 Brand</b>         | DLX®   |
| <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

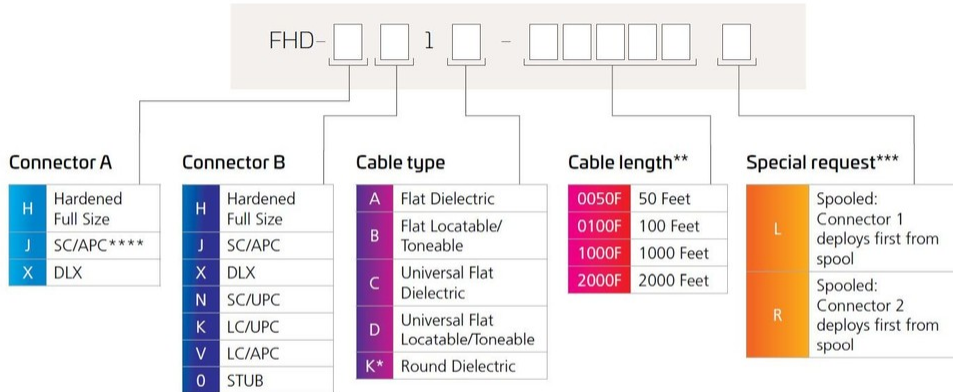
|                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>Cable Type</b>                     | Dielectric - Flat                     |
| <b>Connector A, quantity</b>          | 1                                     |
| <b>Color, boot A</b>                  | Black                                 |
| <b>Color, connector A</b>             | Black                                 |
| <b>Interface, Connector A</b>         | Hardened mini-size DLX                |
| <b>Interface Feature, connector A</b> | Male                                  |
| <b>Interface, Connector B</b>         | Unterminated                          |
| <b>Jacket Color</b>                   | Black                                 |
| <b>Total Fibers, quantity</b>         | 1                                     |
| <b>Transmission Standards</b>         | IEC 61753-1   IEC 61754-4   IEC 61755 |

# FHD-X01A

## Dimensions

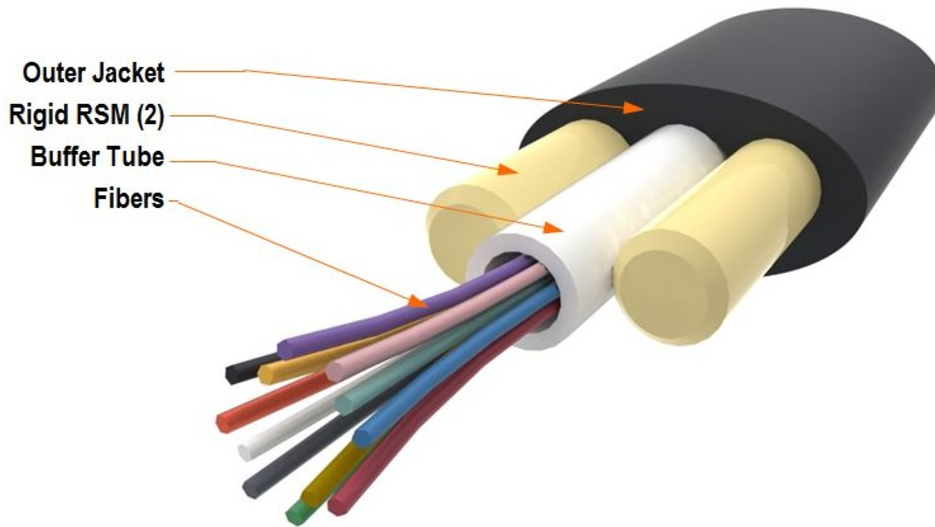
|   |                               |
|---|-------------------------------|
| <b>Cable Assembly Length Range (m)</b>  | 1 – 900                       |
| <b>Cable Assembly Length Range (ft)</b> | 50 – 2000                     |
| <b>Cable Outer Diameter</b>             | 4.3 x 8.0 mm (0.17 x 0.31 in) |

## 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

## Representative Image



# FHD-X01A

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## 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>   | 10 N/mm   57.101 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, typical</b>              | 0.16 dB     |
| <b>Return Loss, minimum, connector A</b>    | 65 dB       |

## Environmental Specifications

|                                 |  |
|---------------------------------|--|
| <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>       | 36 kg/km   24.191 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="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant/Exempted  |
| UK-ROHS       | Compliant   |



