

FHD-XN1B



DLX® Fiber Optic Hardened Drop Cable Assembly, DLX-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 Classification

| | |
|------------------------------|--|
| Regional Availability | Asia Australia/New Zealand EMEA Europe Latin America North America |
| Product Type | Fiber drop cable assembly |
| Product Brand | DLX® |
| Product Series | FHD |
| 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

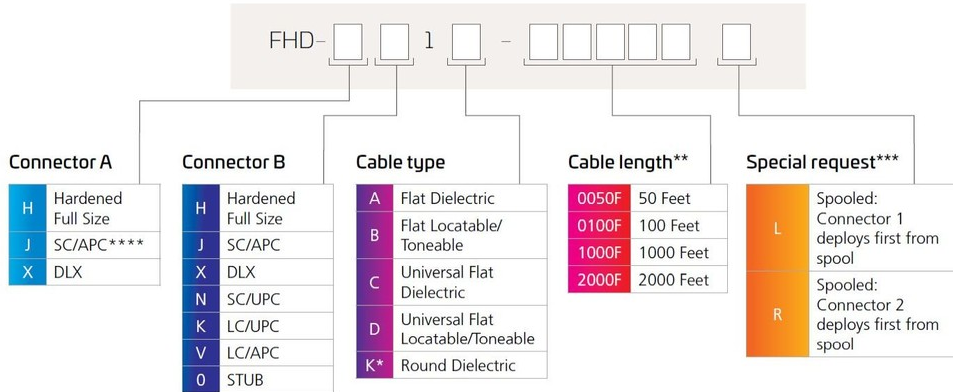
| | |
|-------------------------------|---------------------------------------|
| Cable Type | Locatable - Flat |
| Connector A, quantity | 1 |
| Color, boot A | Black |
| Color, connector A | Black |
| Connector B, quantity | 1 |
| Color, boot B | Blue |
| Color, connector B | Blue |
| Interface, Connector A | Hardened mini-size DLX |
| Interface, Connector B | SC/UPC |
| Jacket Color | Black |
| Total Fibers, quantity | 1 |
| Transmission Standards | IEC 61753-1 IEC 61754-4 IEC 61755 |

Dimensions

FHD-XN1B

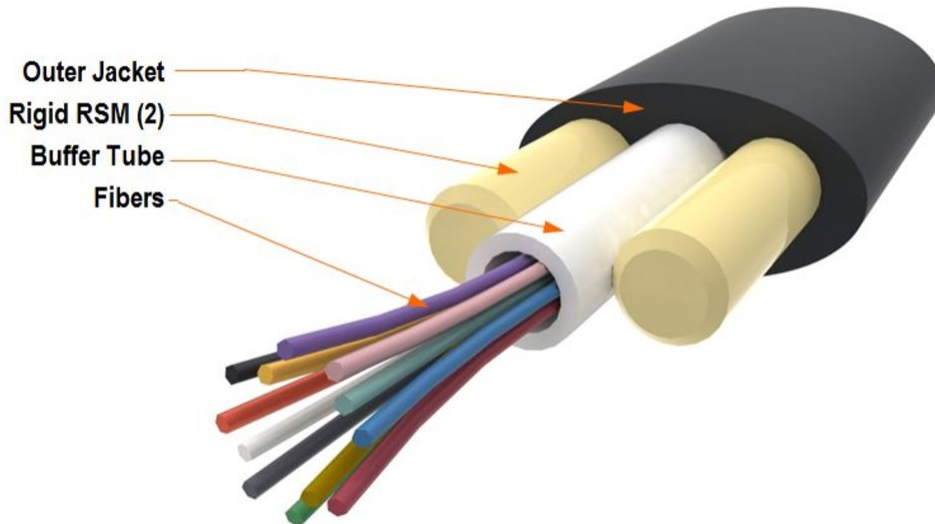
| | |
|---|-------------------------------|
| Cable Assembly Length Range (m) | 1 – 750 |
| Cable Assembly Length Range (ft) | 50 – 2000 |
| Cable Outer Diameter | 4.5 x 8.1 mm (0.18 x 0.32 in) |

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

FHD-XN1B

| | |
|--|-------------------------|
| Minimum Bend Radius, loaded | 100 mm 3.937 in |
| Minimum Bend Radius, unloaded | 150 mm 5.906 in |
| Tensile Load, long term, maximum | 450 N 101.164 lbf |
| Tensile Load, short term, maximum | 1300 N 292.252 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 |
| Insertion Loss, typical | 0.16 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 +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 |
| 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 |

