FHD-XN1D

DLX® Fiber Optic Drop Cable Assembly, DLX 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 Classification

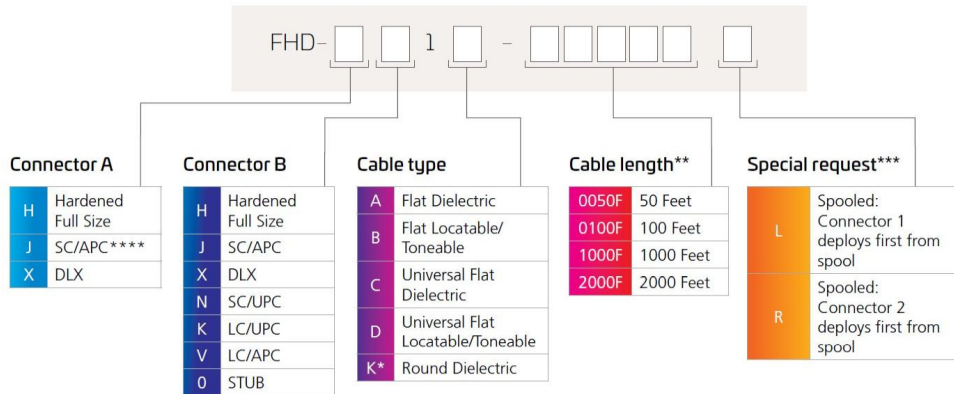|	
Regional Availability	Asia	Australia/New Zealand	EMEA	Europe	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber drop cable assembly
Product Series	FHD
Ordering Note	Drops are automatically coiled 0 to 1,000 ft (305 m), unless spool option "L" or "R" is specified for this range of length	Drops are automatically spooled at 1,001 ft (306 m) with connector B deploying first from spool

General Specifications

Cable Type	Locatable - Universal 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	EN300386/FCC CFR 47	IEC 61753-1	IEC 61754-4

Dimensions

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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

FHD- ☐ ☐ 1 ☐ - ☐☐☐☐☐ , ☐

Connector A	Connector B	Cable type	Cable length**	Special request***
H Hardened Full Size	**H** Hardened Full Size	**A** Flat Dielectric	**0050F** 50 Feet	**L** Spooled: Connector 1 deploys first from spool
J SC/APC****	**J** SC/APC	**B** Flat Locatable/Toneable	**0100F** 100 Feet	
X DLX	**X** DLX	**C** Universal Flat Dielectric	**1000F** 1000 Feet	**R** Spooled: Connector 2 deploys first from spool
	N SC/UPC	**D** Universal Flat Locatable/Toneable	**2000F** 2000 Feet	
	K LC/UPC	**K*** Round Dielectric		
	V LC/APC			
	0 STUB			

*   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

Outer Jacket
Tone Wire
Rigid Strength Element (2)
Subunit
Aramid Yarn
900µm Tight Buffer
250 micron Fiber
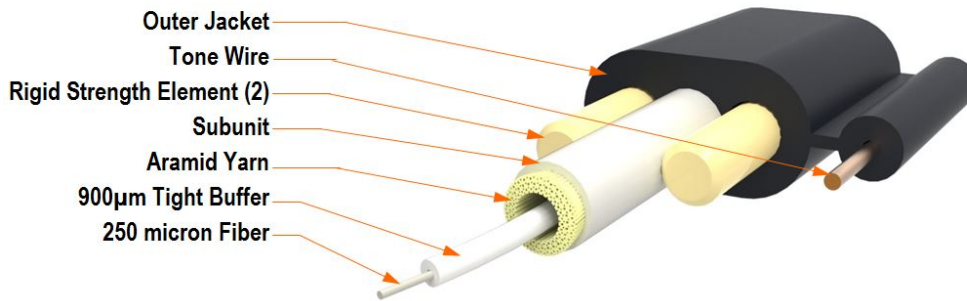
Mechanical Specifications

Minimum Bend Radius, loaded	91.44 mm | 3.6 in
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

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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
Insertion Loss, typical	0.16 dB
Return Loss, minimum, connector A	65 dB
Return Loss, minimum, connector B	55 dB

Environmental Specifications

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

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