FHD-XV1A

DLX® Fiber Optic Hardened Drop Cable Assembly, DLX-LC/APC, 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

Product Classification

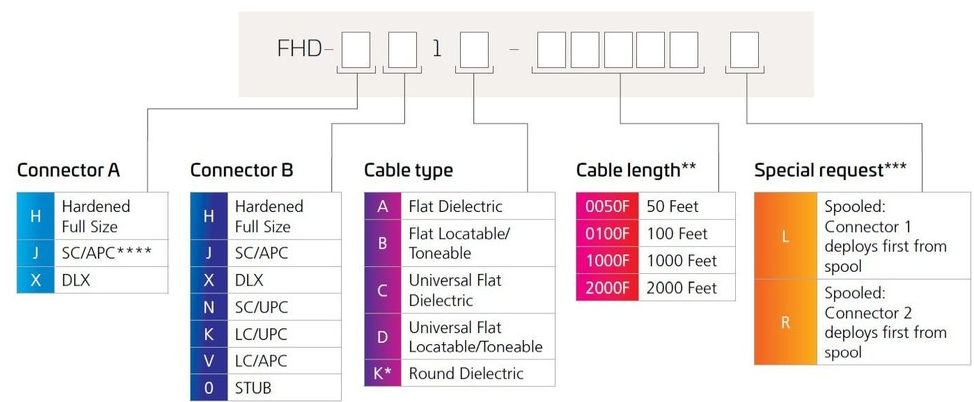|	
Regional Availability	Asia	Australia/New Zealand	EMEA	Europe	Latin America	North America
Product Type	Fiber drop cable assembly
Product Brand	DLX®
Product Series	FHD
Ordering Note	Drops are automatically coiled 0 to 1,000 ft (305 m), unless spool option "L" or "R" is specified for this range of length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

General Specifications

Cable Type	Dielectric - Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Connector B, quantity	1
Color, boot B	Green
Color, connector B	Green
Interface, Connector A	Hardened mini-size DLX
Interface, Connector B	LC/APC
Jacket Color	Black
Total Fibers, quantity	1
Transmission Standards	IEC 61753-1	IEC 61754-4	IEC 61755

Dimensions

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Cable Assembly Length Range (m)	1 – 900
Cable Assembly Length Range (ft)	50 – 2000
Cable Outer Diameter	4.5 x 8.1 mm (0.18 x 0.32 in)

Ordering Tree

FHD– ☐ ☐ 1 ☐ – ☐☐☐☐☐ ☐

Connector A

H	Hardened Full Size
J	SC/APC****
X	DLX

Connector B

H	Hardened Full Size
J	SC/APC
X	DLX
N	SC/UPC
K	LC/UPC
V	LC/APC
0	STUB

Cable type

A	Flat Dielectric
B	Flat Locatable/Toneable
C	Universal Flat Dielectric
D	Universal Flat Locatable/Toneable
K*	Round Dielectric

Cable length**

0050F	50 Feet
0100F	100 Feet
1000F	1000 Feet
2000F	2000 Feet

Special request***

L	Spooled: Connector 1 deploys first from spool
R	Spooled: Connector 2 deploys first from spool

* 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
Rigid RSM (2)
Buffer Tube
Fibers
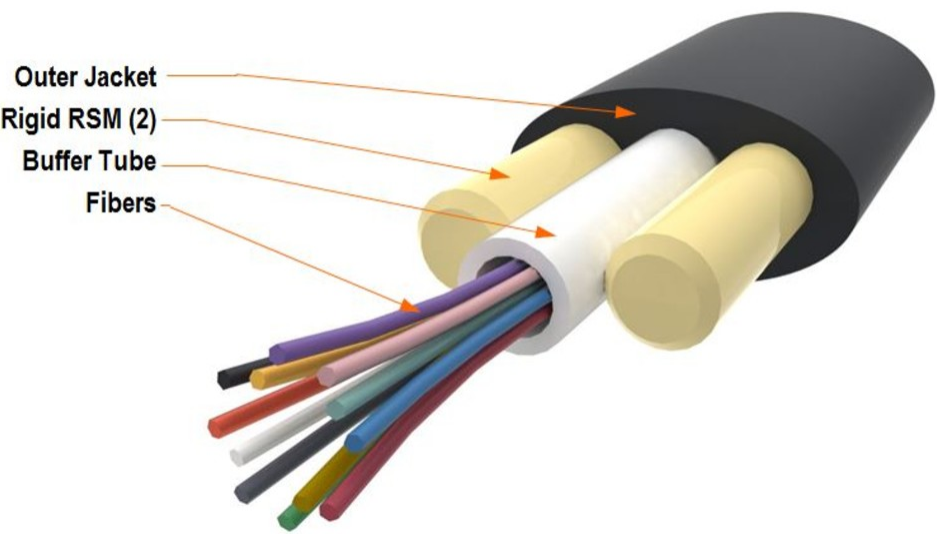
Mechanical Specifications

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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
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
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

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