FHD-HJ1D

Fiber Optic Drop Cable Assembly, hardened full-size to SC/APC, 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

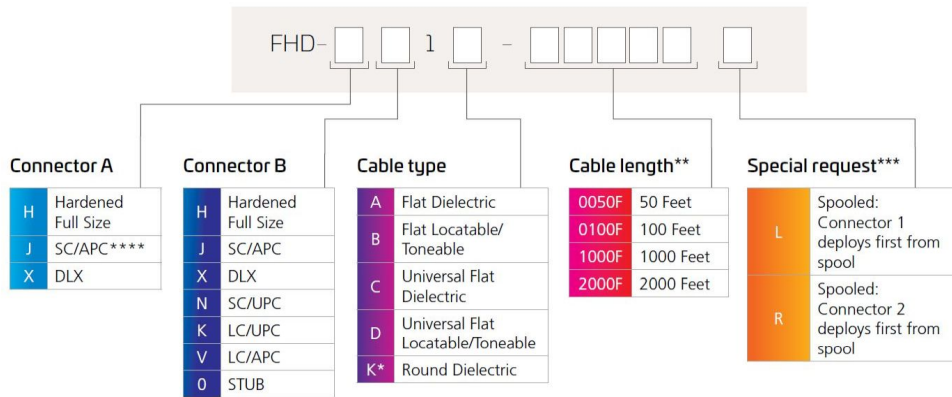|	
Regional Availability	Asia | Australia/New Zealand | EMEA | Europe | Latin America | North America
Portfolio	CommScope®
Product Type	Fiber drop cable assembly
Product Series	FHD
Ordering Note	Drops are automatically coiled 0 to 1,000 ft (305 m), unless spool option "L" or "R" is specified for this 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	Green
Color, connector B	Green
Interface, Connector A	Hardened full-size SC/APC
Interface, Connector B	SC/APC with pulling sock
Jacket Color	Black
Total Fibers, quantity	1
Transmission Standards	IEC 61753-1 | IEC 61754-4 | IEC 61755

Dimensions

FHD-HJ1D

Breakout Length, connector B	457.2 mm | 18 in
Cable Assembly Length Range (m)	1 – 750
Cable Assembly Length Range (ft)	50 – 2000
Cable Outer Diameter	4.5 x 9.9 mm (0.18 x 0.39 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
Tone Wire
Rigid Strength Element (2)
Subunit
Aramid Yarn
900µm Tight Buffer
250 micron Fiber
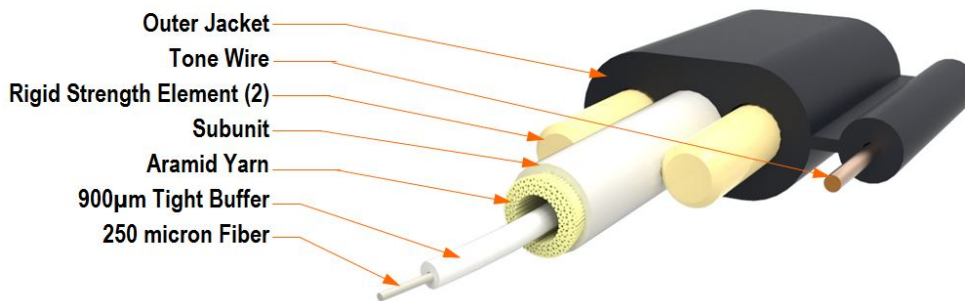
Mechanical Specifications

Minimum Bend Radius, loaded	91 mm | 3.583 in
Minimum Bend Radius, unloaded	63 mm | 2.48 in
Tensile Load, long term, maximum	400 N | 89.924 lbf
Tensile Load, short term, maximum	1334 N | 299.895 lbf

COMMSCOPE®

FHD-HJ1D

Cable Crush Resistance, maximum	44 N/mm | 251.246 lb/in
Pulling Tension, maximum	11.34 kg | 25 lb

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	65 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
Qualification Standards	NEMA type 6, 10 ft waterhead | Telcordia GR-20 | Telcordia GR-3120

Packaging and Weights

Cable weight	39 kg/km | 26.207 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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