

FHD-HN1D



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

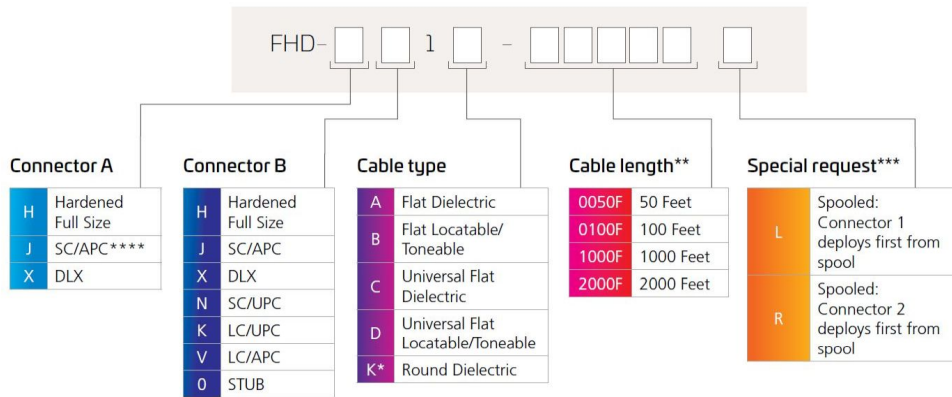
Cable Type	Locatable - Universal Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Connector B, quantity	1
Color, boot B	Blue
Color, connector B	Blue
Interface, Connector A	Hardened full-size SC/APC
Interface, Connector B	SC/UPC
Jacket Color	Black
Total Fibers, quantity	1
Transmission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

Dimensions

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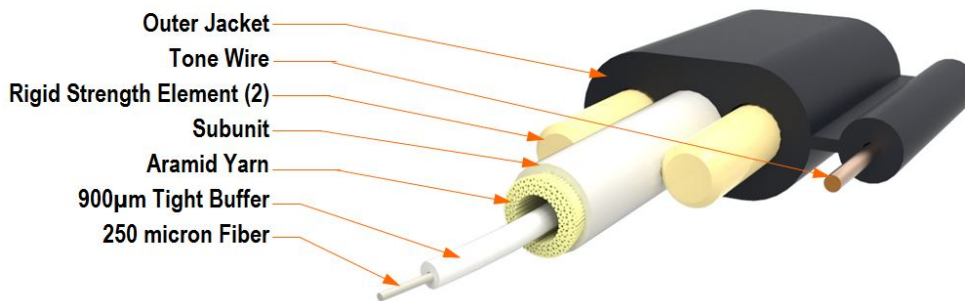
Breakout Length, connector B	457.2 mm 18 in
Cable Assembly Length Range (m)	1 – 750
Cable Assembly Length Range (ft)	50 – 2000
Cable Outer Diameter	4.6 x 7.4 mm (0.18 x 0.29 in)

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

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

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Cable Crush Resistance, maximum 44 N/mm | 251.246 lb/in

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 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

