FHD-MM1D

Fiber Optic Drop Cable Assembly, SC/APC 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 complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Product Type	Fiber drop cable assembly
Product Series	FHD
Government Requirements	Build America Buy America (BABA) compliant*
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	Green
Color, connector A	Green
Connector B, quantity	1
Color, boot B	Green
Color, connector B	Green
Interface, Connector A	SC/APC with pulling sock
Interface, Connector B	SC/APC
Jacket Color	Black
Location of Manufacturing	Catawba, North Carolina

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Total Fibers, quantity	1
Transmission Standards	IEC 61753-1 | IEC 61754-4 | IEC 61755

Dimensions

Breakout Length, connector A	203.2 mm | 8 in
Breakout Length, connector B	203.2 mm | 8 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)

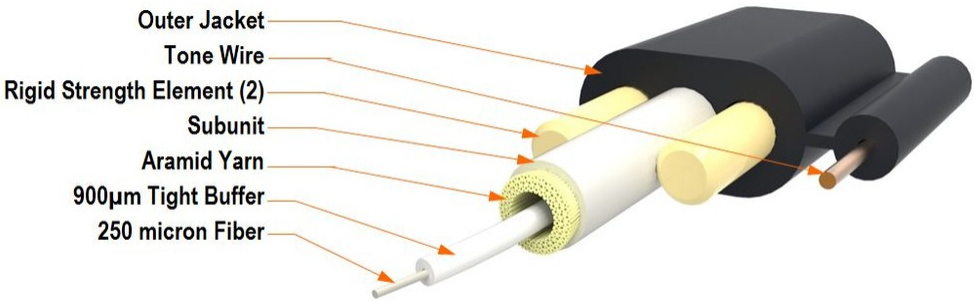
Ordering Tree

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	R	Spooled: Connector 2 deploys first from spool
X	DLX	X	DLX	C	Universal Flat Dielectric	1000F	1000 Feet		
		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



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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

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	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
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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