# MHBD-FOK1A



Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC plug to 12 LC Simplex, 12-fiber

#### Product Classification

Product Type	Fiber drop cable assembly
Product Series	MHBD
Ordering Note	For custom cable assembly lengths, please contact your local CommScope representative
General Specifications	
Cable Type	Dielectric - Flat
Connector A, quantity	1
Color, boot A	Black
Color, connector A	Black
Connector B, quantity	12
Color, boot B	White
Color, connector B	Blue
Interface, Connector A	Hardened multi-fiber (HMFOC) plug
Interface Feature, connector A	Female
Interface, Connector B	LC/UPC
Jacket Color	Black
Total Fibers, quantity	12
Dimensions	

#### DIMENSIONS

Breakout Length, connector B	28 in   711.2 mm
Cable Assembly Length Range (m)	1 - 900
Cable Assembly Length Range (ft)	10 - 1000
Cable Outer Diameter	4.5 x 8.0 mm (0.18 x 0.31 in)

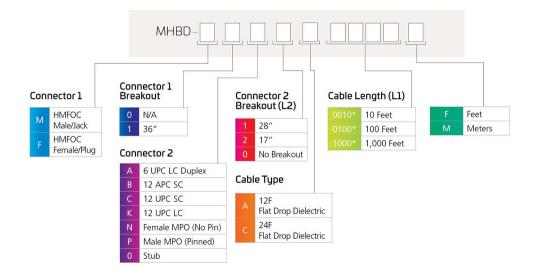
## Ordering Tree

Page 1 of 3

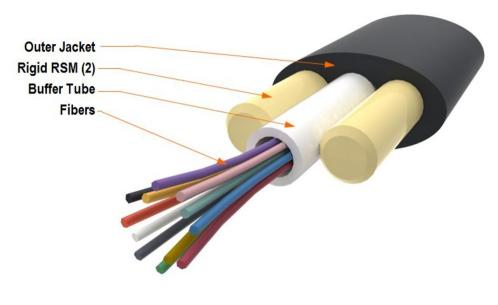
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## MHBD-FOK1A



### Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	88.9 mm   3.5 in
Minimum Bend Radius, unloaded	63.5 mm   2.5 in
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	G.657.A2, TeraSPEED®

Page 2 of 3

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Insertion Loss, maximum, connector A	0.45 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, buried
Jacket UV Resistance	UV stabilized

### Packaging and Weights

Packaging quantity

1

Page 3 of 3

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