

HMFOC Feeder Cable

Outdoor Cable Assembly Terminated with
Hardened Multifiber Optical Connector

The HMFOC feeder cable is a 12-fiber cable terminated to a Hardened Multifiber Optical Connector (HMFOC) assembly. This assembly has a 12-fiber MT ferrule enclosed in a water-sealed connector housing for outside plant applications.

Same as a standard MT connector, the alignment of two MT ferrules is governed by two high precision pins. Unlike the standard MPO connector, the style of the connector is not dictated by the pins but determined by the assembly. The connector body that has the MT ferrule offset deep inside of the connector body is referred to as the jack. The connector body with the MT ferrule positioned on the surface is referred to as the plug. Unlike a standard MT connector, jack and plug can be mated directly without an adaptor by aligning the two connectors together and then screwing the coupling nut on the plug to the jack body.

Direct terminated HMFOC feeder cable has below advantages:

- Reduces the physical size of the assembly and provides better storage within the underground network
- Reduces the number of potential failure points along the length of the cable

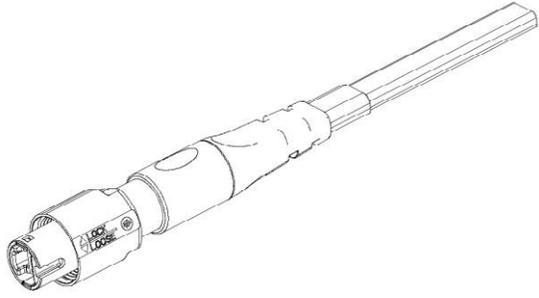


Figure 1: HMFOC Plug

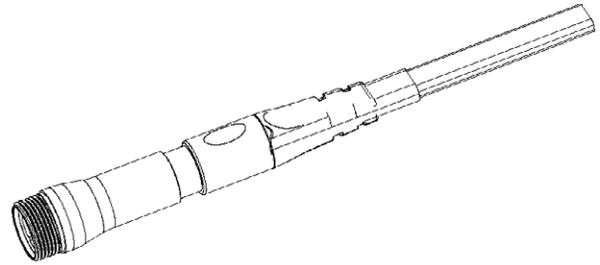


Figure 2: HMFOC Jack

General Specifications:

ASSEMBLY

Optical:	
Max. Insertion Loss:	1310 nm 0.6dB + 0.35dB/km 1550 nm 0.6dB + 0.22dB/km
Min. Return Loss:	65dB

CABLE

Overall Dimensions:	4.5 x 8.0 mm
Cable Weight:	33 kg/km
Min Bend Radius Loaded:	9.0cm
Min Bend Radius Installed:	6.4cm

TENSILE LOADS (MAX):

Short Term:	1334N
Long Term:	400N

TEMPERATURES:

Storage:	-40° C to +75° C
Installation:	-30° C to +70° C
Operation:	-40° C to +70° C

FIBER ATTENUATION:

Fiber Attenuation (Max):	0.35dB/km @ 1310nm 0.22dB/km @ 1550nm 0.25dB/km @ 1625nm
--------------------------	--

HMFOC CONNECTOR:

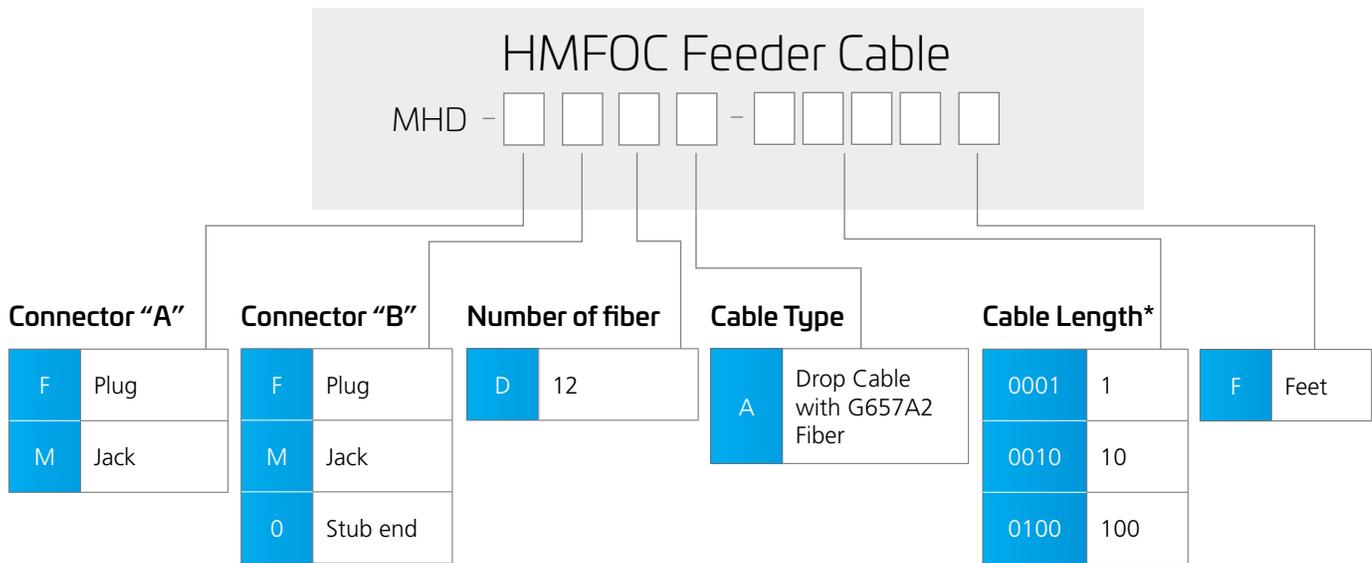
OPTICAL:

Insertion Loss:	0.45 dB (Max)
Return Loss:	65 dB (Min)

MECHANICAL:

HMFOC Interchangeability:	Compatible with Corning OptiTip®
HMFOC Performance:	Per GR 3152

Ordering Information:



*Additional cable lengths are available on request

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists has empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at [commscope.com](https://www.commscope.com)

COMMSCOPE®

[commscope.com](https://www.commscope.com)

Visit our website or contact your local CommScope representative for more information.

© 2018 CommScope, Inc. All rights reserved.

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is committed to the highest standards of business integrity and environmental sustainability with a number of CommScope's facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001.

Further information regarding CommScope's commitment can be found at www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability.

PA-112466.1-EN (04/18)