

# 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

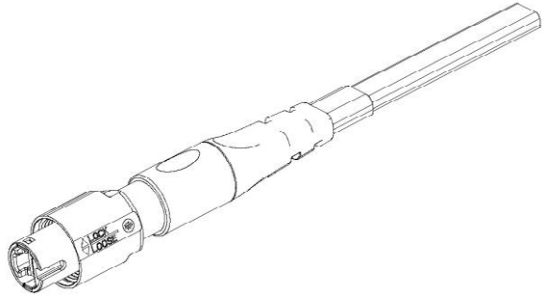


Figure 1: HMFOC Plug

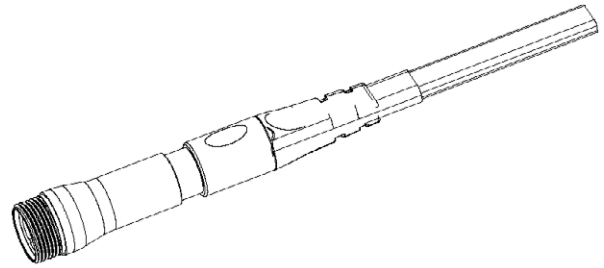


Figure 2: HMFOC Jack

## 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
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### HMFOC CONNECTOR:

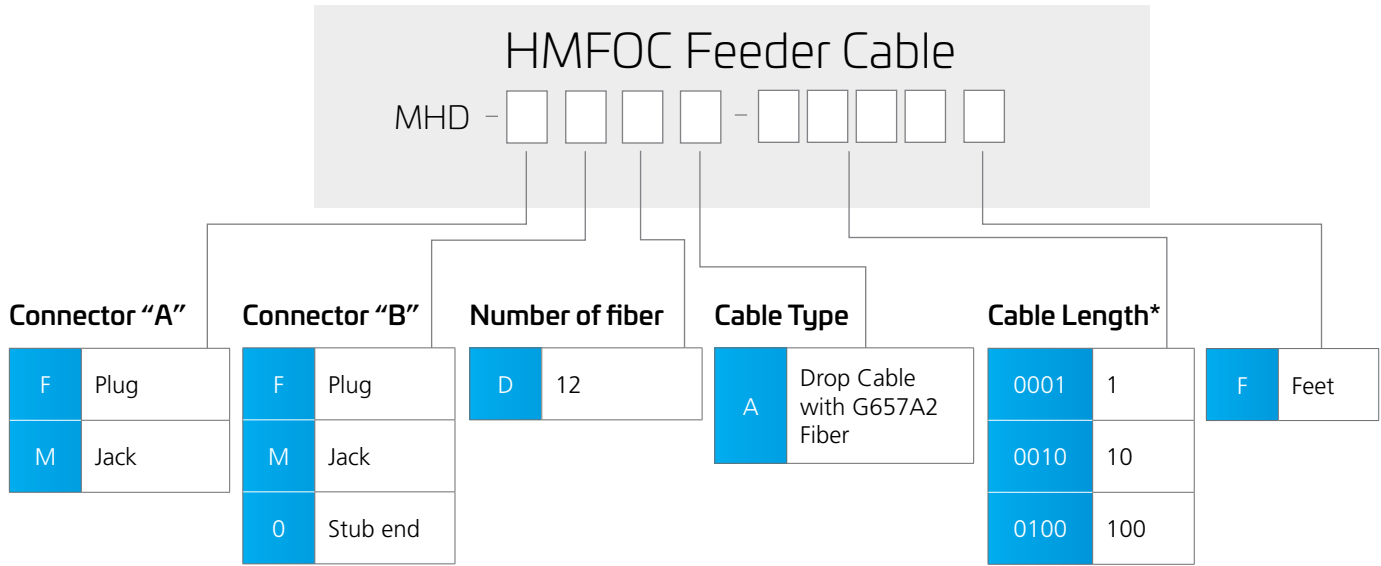
#### OPTICAL:

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

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