

# MLOC-4-F1XM-XM-1M5



HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male,size 1/4", length 1.5 meters

## Product Classification

|                |                                                      |
|----------------|------------------------------------------------------|
| Product Type   | HELIAX® MLOC cluster, SureFlex® D-CLASS, dynamic PIM |
| Product Brand  | HELIAX®   SureFlex®                                  |
| Product Series | MLOC                                                 |

## General Specifications

|                                    |                  |
|------------------------------------|------------------|
| Attachment, Connector A            | Factory attached |
| Attachment, Connector B            | Factory attached |
| Body Style, Connector A            | Straight         |
| Body Style, Connector B            | Straight         |
| Interface, Connector A             | M-LOC Male       |
| Interface, Connector B             | NEX10 Male       |
| Specification Sheet Revision Level | A                |

## Dimensions

|              |                  |
|--------------|------------------|
| Length       | 1.5 m   4.921 ft |
| Nominal Size | 1/4 in           |

## Port Configuration

| HOUSING PORT NUMBER | PORT LABEL TEXT |     |     |       |
|---------------------|-----------------|-----|-----|-------|
|                     | STANDARD        | "C" | "E" | "N"   |
| 1                   | CL+             | CR- | D   | ANT 6 |
| 2                   | L-              | CL- | A   | ANT 1 |
| 3                   | L+              | L-  | C   | ANT 5 |
| 4                   | CL-             | R-  | B   | ANT 2 |

## Electrical Specifications

|                                   |                                    |
|-----------------------------------|------------------------------------|
| 3rd Order IMD Dynamic             | -119 dBm                           |
| 3rd Order IMD Dynamic Test Method | Two +43 dBm carriers per IEC 62037 |

# MLOC-4-F1XM-XM-1M5

## VSWR/Return Loss

| Frequency Band | Gated VSWR | Gated Return Loss (dB) | Insertion Loss, typical (dB) |
|----------------|------------|------------------------|------------------------------|
| 1000–3000 MHz  | 1.07       | 30                     | 0.64                         |
| 3000–4200 MHz  | 1.11       | 26                     | 0.77                         |
| 4200–5000 MHz  | 1.12       | 25                     | 0.85                         |

## Mechanical Specifications

|                                     |                |
|-------------------------------------|----------------|
| Minimum Bend Radius, multiple Bends | 25.4 mm   1 in |
| Minimum Bend Radius, single Bend    | 25.4 mm   1 in |

## Environmental Specifications

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Installation temperature | -40 °C to +60 °C (-40 °F to +140 °F)          |
| Operating Temperature    | -55 °C to +85 °C (-67 °F to +185 °F)          |
| Storage Temperature      | -55 °C to +85 °C (-67 °F to +185 °F)          |
| Immersion Test Method    | Meets IEC 60529:2001, IP68 in mated condition |

## Regulatory Compliance/Certifications

| Agency        | Classification                                                                                                           |
|---------------|--------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS    | Below maximum concentration value                                                                                        |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system                                           |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                |
| UK-ROHS       | Compliant                                                                                                                |

