

# MLOC5-LS2BNDMW-5M



HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 7-16DIN male with HELIAX® SureGuard weatherproofing, size 3/8", length 5 meters, covered by conduit shield

- WARNING: DO NOT MATE WITH 4.1-9.5 DIN

## Product Classification

|                       |  |
|-----------------------|--|
| <b>Portfolio</b>      | CommScope®   |
| <b>Product Type</b>   | HELIAX® MLOC cluster, SureFlex® D-CLASS, dynamic PIM |
| <b>Product Brand</b>  | HELIAX®   SureFlex®                                  |
| <b>Product Series</b> | MLOC   |

## General Specifications

|   |                  |
|---|------------------|
| <b>Attachment, Connector A</b>            | Factory attached |
| <b>Attachment, Connector B</b>            | Factory attached |
| <b>Body Style, Connector A</b>            | Straight         |
| <b>Body Style, Connector B</b>            | Straight         |
| <b>Interface, Connector A</b>             | M-LOC Male       |
| <b>Interface, Connector B</b>             | 7-16 DIN Male    |
| <b>Specification Sheet Revision Level</b> | A                |

## Dimensions

|                     |                 |
|---------------------|-----------------|
| <b>Length</b>       | 5 m   16.404 ft |
| <b>Nominal Size</b> | 3/8 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 |

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## Electrical Specifications

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

## VSWR/Return Loss

| <b>Frequency Band</b> | <b>Gated VSWR</b> | <b>Gated Return Loss (dB)</b> | <b>Insertion Loss, typical (dB)</b> |
|-----------------------|-------------------|-------------------------------|-------------------------------------|
| <b>1000–3000 MHz</b>  | 1.074             | 29                            | 1.19                                |
| <b>3100–4200 MHz</b>  | 1.074             | 29                            | 1.44                                |
| <b>4200–5000 MHz</b>  | 1.083             | 28                            | 1.59                                |

## Mechanical Specifications

|  |                   |
|--|-------------------|
| <b>Minimum Bend Radius, multiple Bends</b> | 100 mm   3.937 in |
| <b>Minimum Bend Radius, single Bend</b>    | 50 mm   1.969 in  |

## Environmental Specifications

|                                 |   |
|---------------------------------|---|
| <b>Installation temperature</b> | -40 °C to +60 °C (-40 °F to +140 °F)          |
| <b>Operating Temperature</b>    | -55 °C to +85 °C (-67 °F to +185 °F)          |
| <b>Storage Temperature</b>      | -55 °C to +85 °C (-67 °F to +185 °F)          |
| <b>Immersion Test Method</b>    | Meets IEC 60529:2001, IP68 in mated condition |
| <b>Weatherproofing Method</b>   | HELIAX® SureGuard weatherproofing boot        |