

# CommScope L4HM-D 4.3-10 Male for 1/2 in AL4RPV-50, LDF4-50A, HL4RPV-50 cable

SKU: ACC-CS-00014

MPN: L4HM-D

## Description

The CommScope L4HM-D is a 4.3-10 Male connector for 1/2 inch corrugated coaxial cables, including CommScope AL4RPV-50, LDF4-50A, HL4RPV-50 cable types.

CommScope's 4.3-10 RF connectors are designed for quick and easy field installation, with minimal preparation tools required. L4HM-D is a captive contact connector for high performance solder-free installation.

This model connector is IP68 when mated with a compatible 4.3-10 Female connector.

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## CommScope

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 have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

# RF Connector Interface

|                     |                   |                 |
|---------------------|-------------------|-----------------|
| <b>RF Interface</b> | <b>Body Shape</b> | <b>Mounting</b> |
| 4.3-10 Male         | Straight          | Free Hanging    |

## RF Specification

|                  |                         |                           |                             |
|------------------|-------------------------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz                   | Input Impedance:          | 50                          |
| Stop Frequency:  | 8.8 GHz                 | Inner Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
| Peak Power:      | 22.5 kW                 | Insulation Resistance:    | $\geq 5000 \text{ m}\Omega$ |
| PIM, 3rd Order:  | $\leq -116 \text{ dBc}$ | Outer Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
|                  |                         | RF Operating Voltage:     | $\leq 884 \text{ Vrms}$     |

## VSWR Measurement

| Frequency | VSWR          | Return Loss          |
|-----------|---------------|----------------------|
| 1000 MHz  | $\leq 1.02:1$ | $\leq 40 \text{ dB}$ |
| 2700 MHz  | $\leq 1.03:1$ | $\leq 38 \text{ dB}$ |
| 3800 MHz  | $\leq 1.07:1$ | $\leq 30 \text{ dB}$ |
| 6000 MHz  | $\leq 1.11:1$ | $\leq 26 \text{ dB}$ |

## Physical Specification

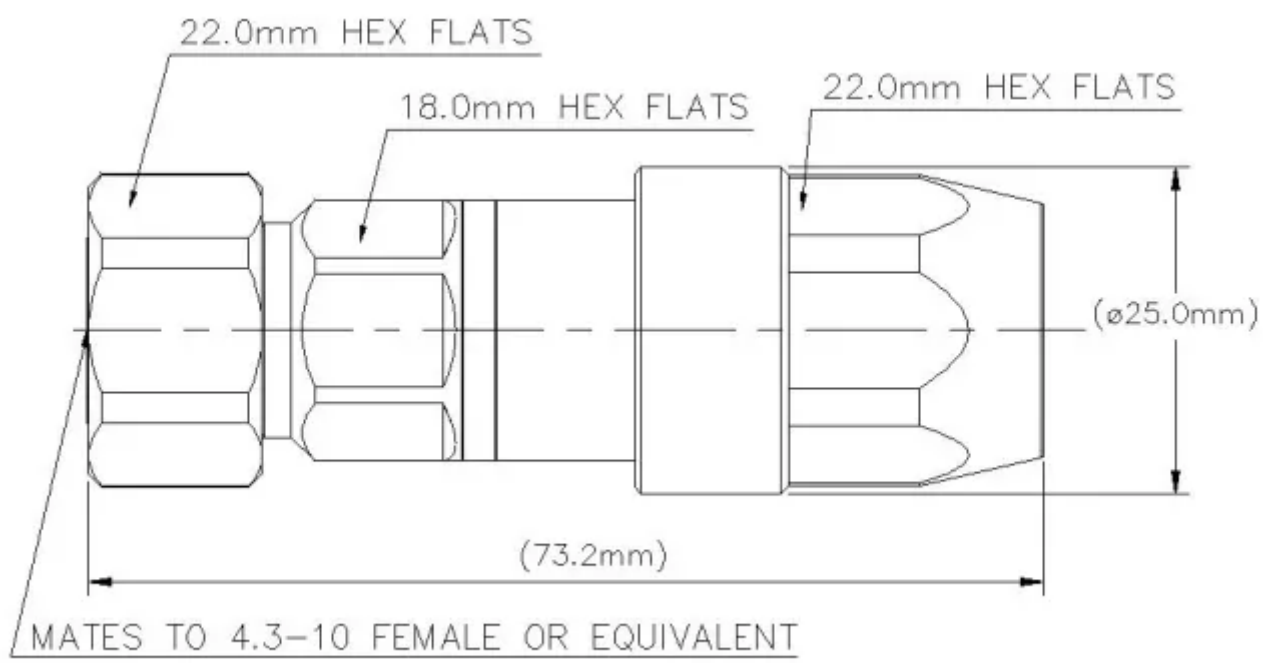
|                            |                             |                             |                   |
|----------------------------|-----------------------------|-----------------------------|-------------------|
| Cable Group:               | 1/2 Corrugated              | Conductor Attachment:       | Cable, Captivated |
| Body Material:             | Brass                       | Contact Material:           | Brass             |
| Body Plating:              | White Bronze                | Contact Plating:            | Silver            |
| Insulator Material:        | PTFE / Teflon               | Min. Operating Temperature: | -55 °C            |
| Dimensions:                | 73.15 × 24.89 × 24.89       | Max. Operating Temperature: | 85 °C             |
| Weight:                    | 122.9 g                     | Ingress Protection:         | IP68              |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 100             |

RoHS

Mechanical Compliance: IEC 60068-2-27: Mechanical Shock

IEC 60068-2-6: Vibration

## Drawing



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