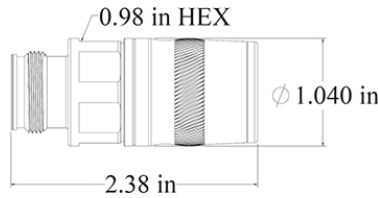




UPL-4F-12

4.3-10 Female Connector for 1/2" Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:
1-888-201-6073

techsupport@jmawireless.com

| General | | Specification | | | | |
|--------------------------------------|---------------------|-----------------|---------------------|---------------|---------------------|-----------------|
| Interface/gender | 4.3-10 Female | | | | | |
| Cables supported¹ | Manufacturer | P/N | Manufacturer | P/N | Manufacturer | P/N |
| | JMA Wireless | JMA12P-50 | RFS | ICA12-50JPL | Wireless Supply | 12/WP |
| | CommScope | HL4RPV-50 | | ICA12-50JPLB | Rosenberger | RLCX-SL012R |
| | | HL4RPV-50B | | ICA12-50JPLR | Eupen | EC4-50PL |
| | | HL4RPV-50R | | ICA12-50JPLW | Belden | RA500P |
| | | AL4RPV-50 | | ICA12-50JPLL | Acome | HPL 50-1/2F |
| | HUBER+SUHNER | Sucofeed_1/2_PW | | ICA12-50JPLLW | | HPL 50-1/2F ALU |
| | LS/Superior Essex | LHF12DPV | | | | |
| Weight | 121.1 g 0.267 lb | | | | | |
| JMA Weather Protection System | N/A | | | | | |

| Tools required | JMA part number | Comment |
|--------------------------|-----------------|---------------------|
| Cable preparation | SP-12PL-01 | Bit "V1" all cables |
| Hex width | 25 mm 1 in. | |

| | Compression tool | Frameset | Insert |
|--------------------------------------|---|------------------|----------------------------|
| Connector compression options | HCG-CC (RP 240 / RP 210-B / RP 100-B) | HCG-FS-12-01 | HCG-INS1-12-01 (Insert 1) |
| | HCG-CC (RP 240 / RP 210-B / RP 100-B) | HCG-FRAMESET-1/2 | HCG-INSERTD-1/2 (Insert D) |

| Frequency band | VSWR | Return loss (dB) |
|----------------|------|------------------|
| 555–1000 MHz | 1.02 | 40 |
| 1000–2700 MHz | 1.03 | 36 |
| 2700–3800 MHz | 1.05 | 32 |
| 3800–6000 MHz | 1.08 | 28 |

| Electrical | Specification | Comment |
|-------------------------------------|-------------------|---------------|
| Connector impedance | 50 ohm | |
| Operating frequency band | DC–6 GHz | |
| 3rd order IMD dynamic, (PIM) | -161 dBc, typical | IEC 62037-2 |
| DC test voltage | 2500 V | |
| Center contact resistance | ≤1.0 milliohm | |
| Outer contact continuity | 1.0 milliohm max. | |
| Average power | 600 W @ 900 MHz | |
| Peak power, max. | 15 kW | |
| Insertion loss, typical | 0.05 dB | Per connector |
| Shielding effectiveness | < -120 dB | @ 0-1 GHz |

| Mechanical | Specification | Comment |
|-------------------------------|--------------------|-----------------|
| Pull force combined | .89 kN > 200 lb | Cable limited |
| Cable retention torque | 6.7 N·m 5 lbf·ft | Cable limited |
| Interface durability | 100 cycles | IEC 61169-4:9.5 |

¹For cable types not listed, please contact JMA Technical Support.





UPL-4F-12

4.3-10 Female Connector for 1/2" Plenum Cable

| Environmental | Specification | Test |
|------------------------------|---------------------------------------|-------------------------------|
| Operating temperature | -55 °C to +85 °C (-67 °F to 185 °F) | |
| Storage temperature | -55 °C to +85 °C (-67 °F to 185 °F) | |
| Accelerated UV | 1000 hr | ASTM G154 |
| Immersion test method | Mated & unmated, IP68 | IEC 60529:2001 & ANSI/SCTE 60 |
| Water jetting test method | Mated & unmated, IP66 | IEC 60529:2001 |
| Mechanical shock test method | Pass | IEC 60068-2-27 |
| Thermal shock test method | Pass | IEC 60068-2-14 |
| Vibration test method | 100 m/s ² , 2 Hz to 200 Hz | IEC 61169-1:2003 |
| Corrosion test method | 1000 hr | IEC 60068-2-11 |

05/05/26