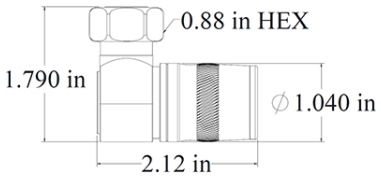
# UPL-4RT-12T

## *4.3-10 Right Angle Connector for 1/2" Trilogy Plenum Cable*




Installation video

Installation instructions

Contact technical support:
1-888-201-6073
techsupport@jmawireless.com

| General | Specification |
|---|---|
| **Interface/gender** | 4.3-10 Right angle male |
| **Cables supported**[1] | Trilogy AP6012J50, APC012J50, AC012R50, AC012J50, AP012U50, ACC012J50, ACC012R50 |
| **Weight** | 172.8 g \| 0.381 lb |
| **JMA Weather Protection System** | N/A |

| Tools required | JMA part number | Comment |
|---|---|---|
| **Cable preparation** | SP-12PL | Bit PL; marking guide included with connector |
| **Connector compression** | HCG-FRAMESET-1/2, HCG-CC | Insert A |
| **Torque wrench** | TQ-78-F8 | 8 lbf·ft \| 10.85 N·m |

| 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 60237-02 |
| **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 |

| 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 |

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

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