



[Installation video](#)



[Installation instructions](#)



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| General                              | Specification  |                               |
|--------------------------------------|--|-------------------------------|
| <b>Interface/gender</b>              | 4.3-10 Right angle male  |                               |
| <b>Cables supported<sup>1</sup></b>  | Andrew HL4RP, HL4RPV, AL4RPV; RFS ICA12-50JPL/-50JPLLW, HCA12, HUBER+SUHNER SUCOFEEED 1/2 PW, LS/Superior Essex LHF12DPV, Rosenberger RLCX-SL012R, Eupen EC4-50PL; Belden RA500P |                               |
| <b>Weight</b>                        | 172.8 g   0.381 lb   |                               |
| <b>JMA Weather Protection System</b> | N/A  |                               |
| Tools required                       | JMA part number  | Comment                       |
| <b>Cable preparation</b>             | SP-12PL  | Bit "PL" all cables           |
| <b>Connector compression</b>         | HCG-FRAMESET-1/2, HCG-CC   | Insert A                      |
| <b>Torque wrench</b>                 | TQ-78-F8   | 8 lbf·ft   10.85 N·m          |
| Frequency band                       | VSWR   | Return loss (dB)              |
| <b>555–1000 MHz</b>                  | 1.02   | 40                            |
| <b>1000–2700 MHz</b>                 | 1.03   | 36                            |
| <b>2700–3800 MHz</b>                 | 1.05   | 32                            |
| <b>3800–6000 MHz</b>                 | 1.08   | 28                            |
| Electrical                           | Specification  | Comment                       |
| <b>Connector impedance</b>           | 50 ohm   |                               |
| <b>Operating frequency band</b>      | DC–6 GHz   |                               |
| <b>3rd order IMD dynamic, (PIM)</b>  | -161 dBc, typical  | IEC 60237-02                  |
| <b>DC test voltage</b>               | 2500 V   |                               |
| <b>Center contact resistance</b>     | ≤1.0 milliohm  |                               |
| <b>Outer contact continuity</b>      | 1.0 milliohm max.  |                               |
| <b>Average power</b>                 | 600 W @ 900 MHz  |                               |
| <b>Peak power, max.</b>              | 15 kW  |                               |
| <b>Insertion loss, typical</b>       | 0.05 dB  | Per connector                 |
| <b>Shielding effectiveness</b>       | < -120 dB  | @ 0-1 GHz                     |
| Mechanical                           | Specification  | Comment                       |
| <b>Pull force combined</b>           | .89 kN   > 200 lb  | Cable limited                 |
| <b>Cable retention torque</b>        | 6.7 N·m   5 lbf·ft   | Cable limited                 |
| <b>Interface durability</b>          | 100 cycles   | IEC 61169-4:9.5               |
| Environmental                        | Specification  | Test                          |
| <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>Accelerated UV</b>                | 1000 hr  | ASTM G154                     |
| <b>Immersion test method</b>         | Mated & unmated, IP68  | IEC 60529:2001 & ANSI/SCTE 60 |
| <b>Water jetting test method</b>     | Mated & unmated, IP66  | IEC 60529:2001                |
| <b>Mechanical shock test method</b>  | Pass   | IEC 60068-2-27                |
| <b>Thermal shock test method</b>     | Pass   | IEC 60068-2-14                |
| <b>Vibration test method</b>         | 100 m/s <sup>2</sup> , 2 Hz to 200 Hz  | IEC 61169-1:2003              |
| <b>Corrosion test method</b>         | 1000 hr  | IEC 60068-2-11                |

<sup>1</sup>For cable types not listed, please contact JMA Technical Support.

09/10/20