



[Installation video](#)



[Installation instructions](#)



Contact technical support:
1-888-201-6073

techsupport@jmawireless.com

| General | Specification | | | |
|-------------------------------------|--------------------|--------------------------------------|----------|-------------------|
| Interface/gender | N female | | | |
| Cables supported¹ | JMA Wireless | JMA12-50 | Eupen | EC4 |
| | CommScope | LDF4 | | LS/Superior Essex |
| | | LDF4RK | HFC 12D | |
| | | LDF4 RN | HFAC 12D | |
| | RFS | LCF12 | Hansen | RF5012 |
| | | LCF12-50JL | | RF5012Z |
| | NK Draka | RFA1200 | Belden | RA500 |
| | Rosenberger | SL 1/2" R | | RA500R |
| Wireless Supply | WS12 | | | |
| Weight | 0.256 lb 116.1 g | JMA Weather Protection System | | N/A |

| Tools required | JMA part number | Comment |
|------------------------------|--------------------------|----------|
| Cable preparation | SP-1/2-LDF4D | "U" bit |
| Connector compression | HCG-FRAMESET-1/2, HCG-CC | Insert B |
| Hex width | 25 mm 1 in. | |

| Frequency band | VSWR | Return loss (dB) |
|--------------------------------|------|------------------|
| 555–1000 MHz (0-1 GHz) | 1.02 | 40 |
| 1000–2700 MHz (1-2 GHz) | 1.03 | 38 |
| 2700–3800 MHz (2-4 GHz) | 1.05 | 30 |
| 3800–6000 MHz (4-6 GHz) | 1.08 | 26 |

| Electrical | Specification | Comment |
|-------------------------------------|-------------------|-----------------|
| Connector impedance | 50 ohm | |
| Operating frequency band | DC–6 GHz | |
| 3rd order IMD dynamic, (PIM) | -161 dBc, typical | IEC 62037-2, -3 |
| DC test voltage | 2000 V | |
| Center contact resistance | ≤ 1.5 milliohm | |
| Outer contact continuity | 0.3 milliohm max. | |
| Average power | 600 W @ 900 MHz | |
| Peak power, max. | 10 kW | |
| Insertion loss, typical | 0.05 dB | Per connector |
| Shielding effectiveness | < -120 dB | @ 0-1 GHz |

| Mechanical | Specification | Comment |
|-------------------------------|--------------------|-----------------|
| Pull force combined | 1.1 kN >250 lb | Cable limited |
| Cable retention torque | 6.7 N·m 5 lbf·ft | Cable limited |
| Interface durability | 50 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 |

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