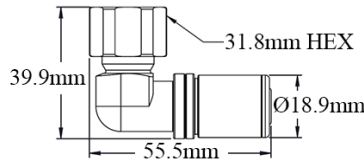




CXP-MRA-14S

Mini DIN Right Angle Connector for 1/4" Superflexible Cable



[Installation instructions](#)



Contact technical support:
1-888-201-6073

techsupport@jmawireless.com

| General | Specification | | | |
|-------------------------------|----------------------|------------------|--------|--------------|
| Interface/gender | Mini DIN right angle | | | |
| Cables supported ¹ | RFS | SCF14-50J | Times | SPP-250-LLPL |
| | | SCF14-50JFN | | SPO-250 |
| | CommScope | FSJ1-50A | Hansen | RF5014S |
| | | FSJ1RK-50B | | RF5014SZ |
| | | PTS1-50-P | | HUBER+SUHNER |
| Eupen | EC1- 50-HF | SUCOFEEED 1/4 HF | | |
| Weight | 99.3 g .219 lb | | | |
| JMA Weather Protection System | WPS-NRA-1S | | | |

| Tools required | JMA part number | Comment |
|-----------------------|--------------------------|---------------------|
| Cable preparation | SP-14S | No coring required |
| Connector compression | HCG-FRAMESET-1/4, HCG-CC | |
| Torque wrench | TQ-78-F8 | 10.8 N·m 8 lbf·ft |

| Frequency band | VSWR | Return loss (dB) |
|----------------|------|------------------|
| 555–1000 MHz | 1.02 | 40 |
| 1000–2700 MHz | 1.03 | 36 |
| 2700–3800 MHz | 1.07 | 32 |
| 3800–6000 MHz | 1.15 | 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 | 1600 V | |
| Center contact resistance | ≤0.80 milliohm | |
| Outer contact continuity | 1.50 milliohm max. | |
| Average power | 600 W @ 900 MHz | |
| Peak power, max. | 6.4 kW | |
| Insertion loss, typical | 0.05 dB | Per connector |
| Shielding effectiveness | < -120 dB | @ 0-1 GHz |

| Mechanical | Specification | Comment |
|------------------------|--------------------|-----------------|
| Pull force combined | .67 kN > 150 lb | Cable limited |
| Cable retention torque | 2 N·m 1.5 lbf·ft | Cable limited |
| Interface durability | 500 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 | 750 hr | IEC 60068-2-11 |

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

08/17/23

