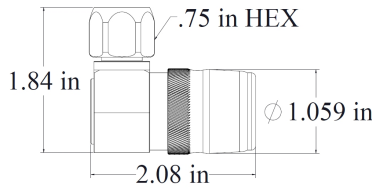




UXP-NRA-12S

N Male Right Angle Connector for 1/2" Superflexible Cable



[Installation video \(Foam Dielectric\)](#)

[Installation video \(Air Dielectric\)](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

techsupport@jmawireless.com

| General | | Specification | | | |
|--------------------------------------|---------------------|--------------------|---------------------|------------|--|
| Interface/gender | | N male right angle | | | |
| Cables supported¹ | Manufacturer | P/N | Manufacturer | P/N | |
| | JMA Wireless | JMA12S-50 | HUBER+SUHNER | SF 1/2 HF | |
| | | JMA12SR-50 | Eupen | EC4HF | |
| | CommScope | FSJ4 | Leoni Flexline | 1/2"S | |
| | | FSJ4RK | LS/Superior Essex | HFSC 12D | |
| | | FSJ4RN-50 | | FSC12DPV | |
| | | HS4RP | Hansen | RF5012S | |
| | RFS | SCF12 | | RF5012SZ | |
| | Rosenbeger | SL 1/2" S | Wireless Supply | WS12/SF | |
| NK Draka | RFF1200 | WS12/SF/WP | | | |
| Weight | | 166.9 g 0.368 lb | | | |
| JMA Weather Protection System | | WPS-NRA-4S | | | |

| Tools required | JMA part number | Comment |
|------------------------------|--------------------------|----------------------|
| Cable preparation | SP-12S or SP-12SPL | No coring required |
| Connector compression | HCG-FRAMESET-1/2, HCG-CC | Insert A |
| Torque wrench | TW1412 | 14 lbf-in 1.58 N·m |

| Frequency band | | VSWR | | Return loss (dB) | |
|-----------------|----------------|-----------------|----------------|------------------|----------------|
| Foam Dielectric | Air Dielectric | Foam Dielectric | Air Dielectric | Foam Dielectric | Air Dielectric |
| DC-1000 MHz | 555-1000 MHz | 1.02 | 1.02 | 40 | 40 |
| 1000-2000 MHz | 1000-2700 MHz | 1.03 | 1.03 | 36 | 36 |
| 2000-4000 MHz | 2700-3800 MHz | 1.05 | 1.07 | 32 | 29 |
| 4000-6000 MHz | 3800-6000 MHz | 1.08 | 1.15 | 28 | 23 |

| 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 | 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 | .78 kN >175 lb | Cable limited |
| Cable retention torque | 6.7 N·m 5 lbf-ft | Cable limited |
| Interface durability | 500 cycles | IEC 61169-4:9.5 |

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





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| 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 |

08/06/24