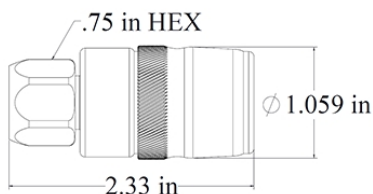




# UXP-NM-12S

N Male 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](mailto:techsupport@jmawireless.com)

| General                       | Specification      |            |                   |            |
|-------------------------------|--------------------|------------|-------------------|------------|
| Interface/gender              | N male             |            |                   |            |
| Cables supported <sup>1</sup> | 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                        | 125.6 g   0.277 lb |            |                   |            |
| JMA Weather Protection System | WPS-N-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 B             |
| 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 |

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



## UXP-NM-12S

### *N Male Connector for 1/2" Superflexible Cable*

| 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 <sup>2</sup> , 2 Hz to 200 Hz | IEC 61169-1:2003              |
| Corrosion test method        | 1000 hr                               | IEC 60068-2-11                |

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