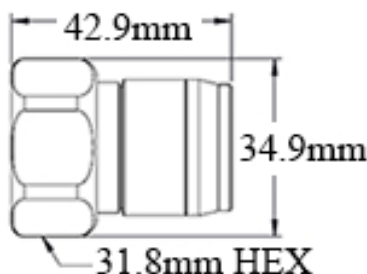




# CXP-DM-12S

7-16 DIN Male Connector for 1/2" Superflexible Cable



[Installation instructions](#)



Contact technical support:

1-888-201-6073

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| General                       | Specification    |           |                   |           |
|-------------------------------|------------------|-----------|-------------------|-----------|
| Interface/gender              | 7-16 Male        |           |                   |           |
| Cables supported <sup>1</sup> | RFS              | SCF12     | LS/Superior Essex | HFSC 12D  |
|                               | CommScope        | FSJ4      | Hansen            | RF5012S   |
|                               |                  | FSJ4RK    |                   | RF5012SZ  |
|                               |                  | FSJ4RN-50 | Leoni Flexline    | 1/2"S     |
|                               | NK Draka         | RFF1200   | HUBER+SUHNER      | SF 1/2 HF |
| Weight                        | 122 g   0.269 lb |           |                   |           |
| JMA Weather Protection System | WPS-4S           |           |                   |           |

| Tools required        | JMA part number          | Comment              |
|-----------------------|--------------------------|----------------------|
| Cable preparation     | SP-12S                   | No coring required   |
| Connector compression | HCG-FRAMESET-1/2, HCG-CC | Insert A             |
| Torque wrench         | TQ-114-F18               | 24.4 N·m   18 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              | 2500 V             |               |
| Center contact resistance    | ≤0.8 milliohm      |               |
| Outer contact continuity     | 1.50 milliohm max. |               |
| Average power                | 1000 W @ 900 MHz   |               |
| Peak power, max.             | 16 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 |

| 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        | 750 hr                                | IEC 60068-2-11                |

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

11/15/23