



[Installation instructions](#)



Contact technical support:

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| General | | Specification | | |
|--------------------------------------|--------------------------|---------------------------------------|-------------------------------|----------|
| Interface/gender | 7-16 Right angle male | | | |
| Cables supported¹ | RFS | LCF12 | LS/Superior Essex | |
| | NK Draka | RFA1200 | HFC 12D | |
| | CommScope | LDF4 | Hansen | HFAC 12D |
| | | LDF4RK | Leoni Flexline | RF5012 |
| | | LDF4 RN | Rosenberger | RF5012Z |
| Eupen | EC4 | 1/2"R | SL 1/2" R | |
| Weight | 167.37 g 0.369 lb | | | |
| JMA Weather Protection System | WPS-DRA-4A | | | |
| Tools required | | JMA part number | Comment | |
| Cable preparation | SP-1/2-LDF4D | | "U" bit | |
| 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 | | 4000 V | | |
| Center contact resistance | | ≤0.8 milliohm | | |
| Outer contact continuity | | 1.50 milliohm max. | | |
| Average power | | 1100 W @ 900 MHz | | |
| Peak power, max. | | 40 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 | | 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.