



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

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| General | | Specification | |
|-------------------------------|--|---|-------------------------------|
| Interface/gender | | 7-16 DIN female | |
| Cables supported ¹ | | Andrew AVA5, AVA5RK, AL5, LDF5, VXL5; RFS LCF78, LCF78-50JL, UCF78; NK Draka RFA78; Eupen EC5; GT-SAT HCTAY-50-22; Leoni Flexline 7/8"R; LS/Superior Essex LHF 22D, LHF-22DU; Hansen RF5078; Rosenberger SL 7/8"; Hengxin HCTAY-50-22 | |
| Weight | | 0.545 lb 247.2 g | |
| JMA Weather Protection System | | WPS-5 used for in-line connections only | |
| Tools required | | JMA part number | Comment |
| Cable preparation | | SP-78 | No coring required |
| Connector compression | | HCG-FRAMESET-78, HCG-CC | |
| Hex width | | 35 mm 1-3/8 in. | |
| Frequency band | | VSWR | Return loss (dB) |
| 555–1000 MHz (0-1 GHz) | | 1.02 | 40 |
| 1000–2700 MHz (1-2 GHz) | | 1.03 | 38 |
| 2700–3800 MHz (2-4 GHz) | | 1.05 | 30 |
| 3800–6000 MHz (4-6 GHz) | | 1.08 | 26 |
| Electrical | | Specification | |
| Connector impedance | | 50 ohm | |
| Operating frequency band | | DC–6 GHz | |
| 3rd order IMD dynamic, (PIM) | | -161 dBc, typical | IEC 60237-02, -3 |
| DC test voltage | | 4000 V | |
| Center contact resistance | | ≤ 0.4 milliohm | |
| Outer contact continuity | | 1.5 milliohm max. | |
| Average power | | 3000 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 | |
| Pull force combined | | 1.56 kN > 350 lb | |
| Cable retention torque | | 21.69 N·m 16 lbf·ft | |
| Interface durability | | 50 cycles | |
| Environmental | | Specification | |
| 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 |

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