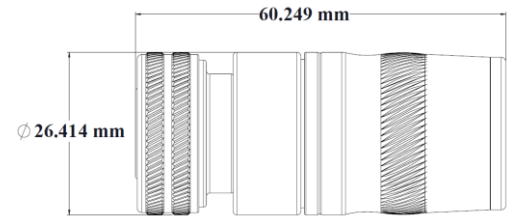


UPL-4MP-12

4.3-10 Male Connector for 1/2" Annular Cable



| General | Specification | Comment |
|------------------------------|---|---|
| Interface/gender | 4.3-10 Male | |
| Cables supported | Andrew HL4RP, HL4RPV, AL4RPV; RFS ICA12-50JPL/-50JPL/-50JPLLW, HCA12, Huber+Suhner Sucofeed 1/2 PW, LS/Superior Essex LHF12DPV, Rosenberger RLCX-SL012R, Eupen EC4-50PL | |
| Weight | 97.3 g 0.214 lb | |
| WPS weather protection | Boot: WPS-N-4A | Port seal: WPS-4F (confirm port dimensions) |
| Return loss/VSWR | | |
| Frequency band | VSWR | Return loss (dB) |
| 555–1000 MHz | 1.02 | 40 |
| 1000–2700 MHz | 1.03 | 38 |
| 2700–3800 MHz | 1.07 | 30 |
| 3800–6000 MHz | 1.15 | 26 |
| Tools required | | |
| Cable preparation | SP-1/2-LDF4D | "U" bit |
| Connector compression | HCG-FRAMESET-1/2, HCG-CC | Insert D |
| Electrical | | |
| Connector impedance | 50 ohm | |
| Operating frequency band | DC–6 GHz | |
| 3rd order IMD dynamic, (PIM) | -161 dBc typical | IEC 60237-02 |
| DC test voltage | 2500 V | |
| Center contact resistance | ≤1.50 milliohm | |
| Outer contact continuity | 1.50 milliohm max. | |
| Average power | 500 W @ 900 MHz | |
| Peak power, max. | 15 kW | |
| Insertion loss, typical | 0.05 dB | Per connector |
| Shielding effectiveness | < -120 dB | @ 0–1 GHz |
| Mechanical | | |
| Pull force combined | .89 kN > 200 lb | Cable limited |
| Cable/connector torque | 6.7 N m 5 lbf-ft | Cable limited |
| Interface durability | 500 cycles | IEC 61169-4:9.5 |
| Environmental | | |
| 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 G53 |
| Immersion test method | Mated & unmated | IEC 60529:2001, IP68 & ANSI/SCTE 60 |
| Water jetting test method | Mated & unmated | IEC 60529:2001, IP66 |
| 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 |