

# PLUG U-11U

## Specifications

| Attribute                       | Value                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Electrical Specifications       |                                                                                                                                  |
| Current Rating                  | 0.5 A to 1.0 A maximum (optimized for low-voltage signal/audio transmission, not power).                                         |
| Insulation Resistance           | ≥ 1,000 MΩ at 500V DC at sea level.                                                                                              |
| Dielectric Withstanding Voltage | 500V AC (RMS) at sea level.                                                                                                      |
| Contact Resistance              | ≤ 0.05 Ω.                                                                                                                        |
| Mechanical & Structural Design  |                                                                                                                                  |
| Connection Profile              | 3-Pin Circular Male Plug with a rugged bayonet or twist-lock quick-disconnect outer sleeve mechanism.                            |
| Contact Geometry                | Solid cylindrical brass male pins arranged in a fixed polarization layout to prevent incorrect mating.                           |
| Termination Style               | Solder cup internal connections for field wiring.                                                                                |
| Shielding                       | Integrated 360° metallic grounding shell designed for electromagnetic interference (EMI) protection.                             |
| Environmental & Material Specs  |                                                                                                                                  |
| Shell Material                  | High-strength cadmium or zinc-plated copper alloy / aluminum housing with an olive drab or matte metallic finish.                |
| Contact Plating                 | Gold or silver over copper alloy.                                                                                                |
| Operating Temperature           | Extremely ruggedized, rated from -55°C to +85°C.                                                                                 |
| Ingress Protection              | Waterproof/weather-resistant rubber internal compression gasket when securely mated to a U-12/U or equivalent female receptacle. |