

PLUG U-27/U

Specifications

Attribute	Value
Product Summary	
Brand	ITT Cannon
Number of Contacts	26 pins (layout 16-26)
Connector Size	Miniature circular (shell size 16)
Mating Mechanism	3-point bayonet coupling with 5-keyway polarization
Gender	Plug / male pin contacts
Electrical Data	
Rated Operating Voltage	50 V AC / 75 V DC (commercial), up to 600 V AC (Mil-Spec layout service class A)
Current Rating	7.5 A maximum per contact (size 20 contacts)
Insulation Resistance	5,000 megohms minimum at 500 V DC
Wire Strip Accommodation	AWG 24 to AWG 20
Mechanical & Structural	
Termination Type	Solder cup or crimp rear-release
Housing / Shell Material	High-grade aluminum alloy
Shell Plating	Olive drab chromate over cadmium, black zinc cobalt, or RoHS nickel
Contact Material	Copper alloy
Contact Plating	Gold over nickel or hard silver
Insulator / Grommet Material	Resilient polychloroprene (synthetic rubber)
Environmental Integrity	
Ingress Protection	IP67 / NEMA 4 when fully mated with matching receptacle
Operating Temperature	-55 °C to +125 °C (-67 °F to +257 °F)
Durability	500 mating cycles minimum
Corrosion Resistance	Up to 48 or 500 hours salt spray depending on shell plating