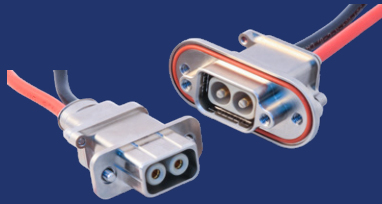


# SERIES 971 MICRO-CRIMP HIGH DENSITY POWERPLAY

# PowerPlay™

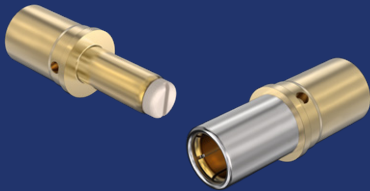
- Sr. 971 Rectangular with Raised Tower Architecture
- High-Temperature Crown Ring Contacts
- Compatible TurboFlex Cabling



Micro-Crimp PowerPlay Rectangular: aerospace-grade micro miniature rectangular for high-power applications.

- The high-reliability interconnect industry's only high-power micro miniature rectangular
- High-density insert arrangements with crimp-removable Crown Ring high-power contacts
- Hybrid insert arrangements with size #20 contacts for last-mate / first-break interlock applications
- Raised tower "safe-touch" architecture plus finger-proof pins for maximum user safety
- Crown Ring contact/TurboFlex support for #8, #4, #2, and #1/0 contacts

## HIGH-TEMPERATURE TOLERANT CROWN RING CONTACTS



### Glenair Signature Crown Ring contact series

provides reduced contact resistance, superior conductivity, and higher temperature-tolerance than conventional AS39029 contacts and specialized high-power contacts from other manufacturers

- Maximum operating temperature 260°C
- Superior conductivity performance compared to beryllium copper contacts, across full temperature range
- Up to 60% lower contact resistance than AS39029 contacts (normalized, less wire)
- Contact bodies made from high conductivity copper alloy (approximately 95% IACS)
- Pin contact equipped with thermoplastic safe-touch tip
- Stainless steel Crown Ring
  - Provides socket forces without stress relaxation at High-Temperatures
  - Moves socket spring function from socket body to ring, allowing use of high-conductivity copper
- Gold over nickel plating
  - Thicker plating than industry standards for reduced contact fretting and higher temperature endurance
  - Gold over nickel is "gold standard" for high-reliability aerospace contacts
- Crimp versions use standard industry tooling, including crimp die/locator and insertion/extraction tools (2AWG Crown Ring contacts require custom tooling)

## ABOUT TURBOFLEX "M" AND TURBOFLEX "R" CABLE CONSTRUCTION

TurboFlex cables are jacketed with Duraelectric insulation, which contributes to the flexibility of the product. TurboFlex R (rope-lay core) provides maximum flexibility. TurboFlex M (M22759 core) has a slightly larger bend radius but far superior flexibility compared to standard M22759 cable.



TurboFlex R with rope-lay cable construction



TurboFlex M with M22759 cable construction

### TURBOFLEX AND SR. 971 MICRO-CRIMP POWERPLAY CONNECTOR, CONTACT, AND CABLE ECOSYSTEM

Cable Type	TurboFlex M with M22759 cable construction					TurboFlex R with Rope-Lay cable construction			
	Single-Wall TurboFlex M Cable	Dual-Wall Turboflex M Shielded Cable	Single-Wall TurboFlex M, Shield + Fabric Overbraid	Single-Wall TurboFlex M Cable	Dual-Wall Turboflex M Shielded Cable	Single-Wall TurboFlex R Cable	Dual-Wall TurboFlex R Cable	Single-Wall TurboFlex R Cable	
Part No.	967-600	967-601	967-602	967-022	967-024	961-106-2000	961-107-2000	961-108-2000	
Insulation / Jacket / Shield Type	Duraelectric D Insulation	Duraelectric D Insulation / Jacket, EMI Shield	Duraelectric D Insulation EMI Shield Fabric Overbraid	Duraelectric L Insulation	Duraelectric L Insulation / Jacket, EMI Shield	Duraelectric D Insulation	Duraelectric D Insulation / Jacket	Duraelectric L Insulation	
VAC Rating	725-2875	725-2875	725-2875	2000	2000	2000	2000	2000	
Gauge AWG	Typical Current (A)	✓ = Available Gauges					✓ = Available Gauges		
20	10-25	✓	✓	✓					
8	55-135	✓	✓	✓	✓	✓	✓	✓	
4	105-250	✓	✓	✓	✓	✓	✓	✓	
2	145-345	✓	✓	✓	✓	✓	✓	✓	
0	195-465	✓	✓	✓	✓	✓	✓	✓	