

## TurboFlex High-Current, High-Power Cables

### THE TURBOFLEX ECOSYSTEM: CABLES, CONTACTS, CONNECTORS, AND ACCESSORIES

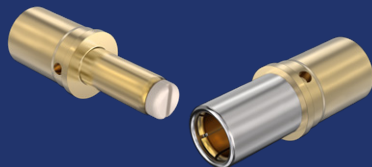


A range of TurboFlex cable constructions are available for different application requirements. At the most basic level, we offer two major categories, rope-lay construction and slightly less-flexible M22759 type wound-wire construction (TurboFlex M). The use of single and dual-wall insulation (Duraelectric or Duraelectric Light) meets the need for differing voltage requirements from 725 to 4500 VAC.

Other available TurboFlex configurations: TurboFlex cable with shielding optimizes cable performance for different voltage, power, and environmental requirements (see complete TurboFlex catalog for all available constructions including for 2-pole DC power, added abrasion protection, 3-phase power plus ground, and VFD 3-phase power requirements for contact gauges #8, #4, #2, #0, #00, and #0000).

TURBOFLEX AND 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	✓ = Available Gauges					✓ = Available Gauges		
Typical Current (A)	✓ = Available Gauges					✓ = Available Gauges		
24	6-14	✓	✓	✓				
22	8-18	✓	✓	✓				
20	10-25	✓	✓	✓				
18	15-30	✓	✓	✓				
16	15-35	✓	✓	✓				
12	30-70	✓	✓	✓				
10	40-90	✓	✓	✓	✓	✓		
8	55-135	✓	✓	✓	✓	✓	✓	✓
4	105-250	✓	✓	✓	✓	✓	✓	✓
2	145-345	✓	✓	✓	✓	✓	✓	✓
1	170-400	✓	✓	✓				
0	195-465	✓	✓	✓	✓	✓	✓	✓
00	255-540	✓	✓	✓		✓	✓	✓
000	260-640	✓	✓	✓		✓	✓	✓
0000	310-755	✓	✓	✓				

### TURBOFLEX-COMPATIBLE 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)