turboflex®

Ultra-flexible and rugged power distribution cables and high-voltage cable assemblies

Power distribution cables present a unique challenge to electrical wire interconnect system engineers. Typically fabricated from stiff, non-flexible conductors and jackets with extremely large bend radii, such cables are heavy, hard to route, and prone to insulation damage from weathering and abrasion. TurboFlex® power distribution cables—and complex high-voltage cable assemblies—are constructed from high strand-count rope-lay inner conductors made with tin, nickel, or silver-plated copper, nickel-plated aluminum, or bare copper. These highly-flexible conductors, combined with Glenair's high-performance Duralectric™ insulation result in cables ideally suited for applications where flexibility, durability, and weight reduction are required. The signature Duralectric™ insulation compound provides outstanding resistance to temperature extremes, ozone exposure, caustic chemicals including jet fuel, gamma radiation, and other forms of environmental and mechanical damage. Long life and performance are critical in power distribution applications. TurboFlex, with its flexible conductors and Duralectric™ jacketing delivers both.

Ultra-flexible rope-lay construction

Wire rope assemblies for equipment grounding

Available in turnkey high-voltage cable assemblies

turboflex®

- **Ultra-flexible rope-lay power cable construction**
- **Turnkey high-voltage cable assemblies with Glenair signature connectors**
- **Broad range of gauges from 20 AWG to 450 MCM**
- **Low-smoke, zero halogen, and RoHS compliant**

DURALECTRIC™

- **High-performance Duralectric™ D jacketing standard**
- **Lightweight (L), radiation-resistant/low-temperature (K), jet fuel/chemical-resistant (F), and high-conductivity (C)**

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