



Cable Connectors Turboflex® Cordsets



Please consult the Glenair factory or your local Glenair sales office for ordering information

PRODUCT FACTS

Conductors:

- Annealed stranded copper, nickel or silver coated
- High strandcount construction for excellent flexibility
- AWG 16 through 1/0

Insulation:

- Duraelectric® rubber
- 2000 volt rating

Cable jacket:

- Duraelectric™ rubber
- 2000 volt rating
- -65 to +200C°

Overmold Compound:

- Duraelectric® rubber
- 2000 volt rating

Features:

- Excellent cold temperature flexibility
- 2000 volt rating
- Good abrasion resistance
- Excellent resistance to fuels and solvents
- Halogen free
- Flame retardant
- Water resistant
- Fugus resistant
- Excellent resistance to sunlight (UV) and ozone
- Fully shielded for EMI protection

Save cost and reduce leadtime with overmolded TurboFlex® power distribution cordsets.

Ultra-flexible conductors are constructed from high strand-count rope lay copper wire. These highly flexible conductors, combined with Glenair's high-performance jacketing result in cables ideally suited for applications where flexibility, durability, and weight reduction are required.

Amazingly durable—especially in cold weather—TurboFlex cable is jacketed with Glenair's innovative Duraelectric® insulation compound that 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 durable jacketing delivers both.

STANDARD TURBOFLEX R VS. TURBOFLEX M



TurboFlex M M22759 cable construction



TurboFlex R rope-lay cable construction

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



DURAELECTRIC™ RATINGS

- Temperature Rating:** -65° to 200°C (with excursions to 290°C) Per MIL-PRF-24758A.
- Halogen free** per IEC 60614-1. Less than 5mg of HCl per 1 gram of product used.
- Accelerated weathering (solar)** per IEC 60068-2-5; 56 days exposure (equivalent to 50 years in the sun.)
- Flame resistant** per IEC 60614-1:
- Low smoke index** per NES 711 (11.75); minimum standard is 25. Tested level is 11.75.
- Smoke density** class F1 per NF F 16-101 in accordance with DIN EN 60695-2-11:2001.
- Toxicity index** per NES 713 (1.9); minimum standard is 5. Tested level is 1.9.
- Oxygen limiting index:** 45.1 per EN ISO 4589-2:1999; minimum is 28.
- 12 second vertical burn:** (pass) per 14CFR part 25.853 (a) AMDT25-116 APP F part 1 (a) (1) (ii)
- ASTME E 595 vacuum outgassing**—post bake results: TML .06%, CVCM .006%, WVR .02%
- Fungus resistance** testing (rating of 0) per MIL-STD-810F, method 508.5
- ASTM D624 DIE B tear test:** 150 KN/M
- Fluids per MIL-STD-810F, method 504**
 - FuelMIL-T-83133: JPG
 - Hydraulic fluidMIL-H-5606: Royco 756
 - Lubricating oil.....MOL-L-23699: Royco -500
 - CleanerMIL-C-85570: calla -855
 - Solvent.....Isopropyl Alcohol: TT-I-735
 - De-IcerAMS-1432: E36 runway de-icer
 - Coolant.....MIL-C-87252: Coolanol 25R
 - Fire extinguishing foamAmerex AFFF

CABLE CONNECTORS