

turboflex

THE ULTRA FLEXIBLE RUGGED POWER CABLE



TURNKEY
turboflex
Flexible Cable Assemblies

TurboFlex is an ultra flexible and rugged power cable solution ideal for high-power electrical distribution and propulsion applications such as battery-plant-to-inverter-to-electric-motor cables for eVTOL aircraft. Constructed from rope-lay configuration copper or aluminum wire and jacketed with Glenair signature Duralectric insulation, TurboFlex cables are optimized for use in an ecosystem of Glenair signature contact and connector technologies. Turnkey connectorized or lugged cable assemblies—fully tested and ready for immediate use—provide reliable high-temperature tolerant performance up to 4500 VAC.



STANDARD TURBOFLEX R VS. TURBOFLEX M



TurboFlex M with M22759 cable construction



TurboFlex R with rope-lay cable construction

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



◀ Duralectric™ is the high-performance TurboFlex® jacketing material. Different compounding formulas are optimized for weight savings, radiation resistance, ultra low temperatures, conductivity, and immersion in chemical or caustic fuels. Available in a broad range of colors including safety orange.