

SERIES 96

No Dollar  
or Quantity  
Minimum Orders  
**NO  
MINS.**

# HIGH-PERFORMANCE WIRE AND CABLE FOR INTERCONNECT APPLICATIONS

*The right solution for every mission-critical  
interconnect harness/assembly*



**G**lenair is unique in the interconnect industry in that we design and manufacture every key component part used in today's most high-performance interconnect harnesses and assemblies. From discrete contacts to connectors, backshells, EMI/RFI shielding, jacketing—and now wire and cable—Glenair manufactures and supplies the full range of requirements.

**Introducing Glenair high performance wire and cable:** Our line of high-performance wire and cable includes Mil-Spec and commercial variants of commonly specified M22759 type multi-conductor shielded cabling, as well as a full range of Quadrax, Coaxial, fiber optic, and protocol-specific (Ethernet, USB, Firewire and eSATA) cables. We also offer several unique and high-performance cable solutions of our own design for harsh-environment power and signal applications. Best of all, Glenair high-performance wire and cable is offered in short runs with no length or dollar minimums. Fast turnaround—up to and including stock—is our model. Call the factory or visit our website for price and delivery information.

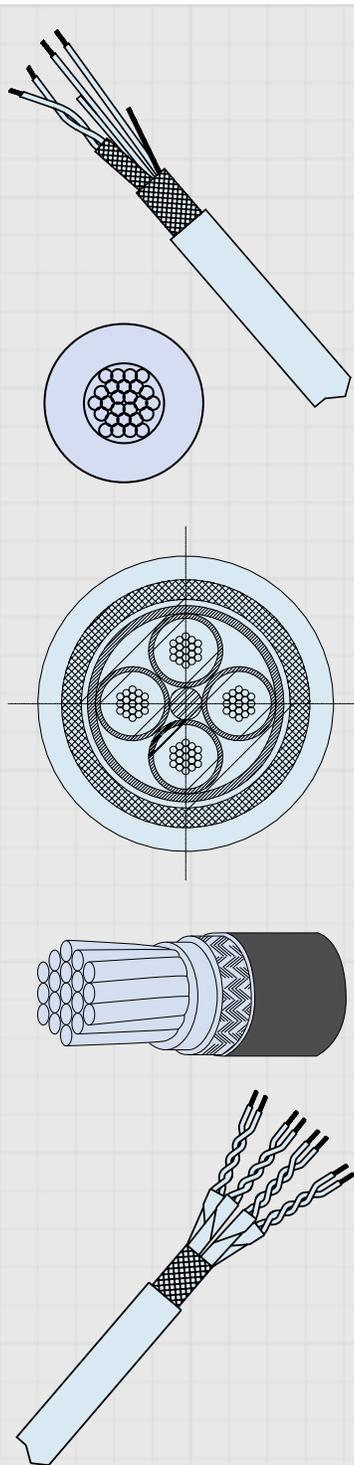
**G**lenair®

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## Series 96 High Performance Cable for Interconnect Applications

A



**Engineered wire and  
cable solutions**

## Sophisticated wire and cable solutions— from optical fiber to high-flexibility power transmission cable

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In addition to terminated and tested cable assemblies and cordsets, Glenair is pleased to offer our customers discrete bulk cable for on-site termination. All of the cables in this catalog have been designed and manufactured for optimal performance in mission-critical applications such as soldier systems, medical equipment, aerospace, geophysical and other military and commercial environments that rely on guaranteed signal integrity and cable durability. The catalog is organized according to application type, beginning with general-purpose non-impedance-controlled signal wire, and continuing with a full range of high-performance shielded multi-conductor cables, including Coaxial, Quadrax, flexible power, fiber optic, and so on. Glenair cables are designed to optimize flexibility, weight reduction, ruggedness, and insulator quality. Our protocol-specific cables are offered with guidance as to shielding properties, impedance performance, attenuation, temperature rating, bend radius, weight, and maximum practical distance.

### Custom Capabilities

<b>TurboFlex</b>	Highly flexible interconnect conductors and cables for power distribution applications
<b>Duraelectric</b>	High-performance, flexible jacket material with outstanding resistance to environmental stress factors including heat, UV radiation and caustic chemicals
<b>Multiconductor cables</b>	Custom, short-run cables for unique applications such as robotics, defense electronics, and soldier systems
<b>Overbraiding</b>	Extensive range of conductive and non-conductive wire and fabric braid materials, including ultra-lightweight composites and micro-filaments



Glenair's vertically integrated connector, hardware and cable facilities are perfectly positioned to supply catalog and custom short cable runs for the broad range of interconnect applications from non-impedance controlled transmission wire to high-speed, protocol-specific cabling—all with no dollar or length minimums.

## Series 96 High Performance Cable for Interconnect Applications



Rugged environmental jacketing in a broad range of material types and colors

- Extruded, blown-on and heat shrink jacketing for harsh application environments
- General purpose polyurethane
- Low-smoke, zero halogen Duraelectric™
- Chemically-resistant Viton®
- Industry standard neoprene
- Selected materials CBRN tested

High-performance cable and jacketing materials for every application requirement: Immersion, chemical or caustic fluid exposure, temperature extremes, and UV radiation.



Glenair operates one of the largest multi-spindle overbraiding operations in the world



Coiled cable configurations for radio and comms applications are a Glenair specialty

Wire Type	Application	Commonly Used With
M22759 Single-Ended Data Transmission Wire	Non-impedance controlled signal applications	Non-shielded 39029 contacts
Quadrax Cable	10/100/1000BASE-T Ethernet applications	854-001/854-002 Quadrax contacts
Coaxial Cable	50 Ohm/75 Ohm RF transmission	Size #16, #12, #8 Coaxial pin and socket contacts
TurboFlex	High-performance (temperature, weight, flexibility) power transmission	Series 970 PowerTrip™, MIL-DTL-38999, Series 80 Mighty Mouse,
Optical Fiber	Ruggedized mil-aero singlemode and multimode optical data transmission	EyeBeam (expanded beam) Glenair High Density (GHD) Series 80 Mighty Mouse fiber optic (Size #23, #20HD and #16) MIL-DTL-38999 Size #16 and #20 MIL-T-29504 QPL
Protocol Specific Cables	Commercial digital data device connections including Ethernet, USB, SATA/eSATA, Spacewire, LVDS/CML	High Speed Mighty Mouse Mighty Mouse with Ultra-Twinax Differential Twinax contacts SuperSeal USB/RJ45

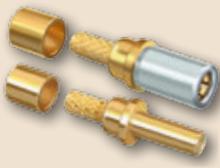
All Glenair cable part numbers are in stock and ready for immediate, same-day shipment with no length or dollar minimums.

SERIES 85

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# HIGH-PERFORMANCE CONNECTOR CONTACTS

*For every application requirement, from standard signal and power to opto-electronics*

				
#23 Signal	#20HD Signal	#20 Signal	#16 and #12 Signal	#16 and #12 Coaxial
				
#12 50 Ohm Matched Impedance Coaxial	Pneumatic	High-Ampacity LouverBand	Thermocouple	
				
#12 Differential Twinax	#8 100 Ohm Quadrax	#8 100 Ohm Differential Twinax	#8 Power	
				
Concentric Twinax	Printed Circuit Board	Opto-Electronic	Size #16, #20, #23 Fiber Optic	

**G**lenair has developed an extensive range of innovative contacts including solutions for fiber optic and pneumatic applications. The development of our own range of high-performance contacts was a key step in gearing Mighty Mouse, Micro-Crimp, PowerTrip, and our many other innovative connector solutions to meet any interconnection challenge. This page highlights a selection of these high-performance contacts, from standard 39029 crimp signal and power contacts to our own unique shielded differential Twinax contact, miniaturized fiber optic contacts and highly specialized gas and pneumatic contact solutions. All our contacts are supported with appropriate extraction and crimp tools—and of course the wire and cable catalogued in this book. As always, these Glenair technologies are available with no dollar or quantity minimums, and are in-stock and ready for immediate, same-day shipment.



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