

## μCom-10Gb+ SERIES

*Miniature, high-speed rugged connector series. Exceeds Cat6A and Cat7 performance operating speeds and IP68 when mated.*



μCom Series is a new range of connectors designed to address the latest trends of the industry: miniaturization and high speed, with the highest resistance for use in the harshest environments. This is our fastest connector series and exceeds Cat6A and Cat7 performance operating speeds of 10 Gb/s and greater. High speeds are due to 4 insulated wire pairs that are isolated from each other throughout the connector. μCom is very small in size and has a max diameter of 15mm. IP68 mated.

### Features:

- 10Gb+: exceeds 10Gb/s ethernet following IEEE 802.3an-2006: 10GBase-T
- Cat.6A connector according to TIA568C.2 and ISO/IEC11801 standard
- 15mm max external diameter Cat6A connector
- Environmental testing based on MIL-DTL-38999 Series III military spec (Thread version)
- Environmental testing based on MIL-DTL-26482 military specifications (Push Pull version)
- Available in 38999 Series III, Shell size 11

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## M28840 SHIPBOARD CONNECTOR

*Precision-machined, highly reliable, shipboard application connectors.*



Amphenol PCD M28840 circular connectors according to MIL-DTL-28840. High-density connectors designed and tested to withstand extreme environmental conditions and demanding applications. Amphenol also offer the full range of backshells to support this connector series.

### Features:

- Fully intermateable and interchangeable with any qualified M28840 connector
- Backshell designs for strain relief, EMI and environmental sealing
- Options to buy connector kitted with backshell and accessories
- Same application tool for all three types of contacts

### Applications:

- US Navy shipboard, surface craft and submarines
- Mission critical combat; Communications systems
- Mobile tactical shelters electronic battlefield networks
- Mobile emergency telecommunications stations
- Deployable outdoors in harsh environments

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## SPIN TACT

*SlipRing/Rotary Joint for all defense and harsh environment applications.*



Amphenol PCD Spin Tact is a SlipRing/Rotary Joint that supports a wide variety of signal options as well as power, RF, ethernet and fiber optics (single-mode/multi-mode). Individual and hybrid options of different signal types are readily available and can also be tailored to your unique application.

### Features:

- Supports Signal/ Power, RF, Ethernet, Fiber optic (Single mode/ Multi Mode)
- Hybrid solution of all above combinations
- Rugged & Concealed wiring design
  - Minimize the number of moving parts
  - Reduce failure and service down time
  - Good for weight saving
- Superior/ Patented design features
- In-house test facilities for Electrical, Mechanical, Environmental, RF and FO features

### Applications:

- Defense and Aerospace
- Industrial and Harsh Environment

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## USB3CFTV

**NEW** compact, rugged USB3.0 waterproof connector with Type C interface.



USB3CFTV a new rugged USB3.0 connector with Type C interface. Highly customizable, fully reversible connector with various data transmission and power delivery capabilities in a size 11 38999 shell. Based on MIL-DTL-38999 series III, plugs and receptacles are mated with a Tri-Start thread coupling mechanism. This solution strengthens and protects devices against fluids, dust, shocks, and disconnection due to vibration.

### Features:

- Thread coupling, MIL-DTL-38999 series III type
- Shell size 11
- Shock, vibration, and traction resistance
- No tools are required for cabling adaptation
- EMI protection: Shielding continuity
- Mating plug/receptacle cycles: 500 at least

### Specifications:

- Combines 10Gb/s data speeds, medium power, and video display
- Fully reversible
- Smaller footprint – shell size 11 D38999



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## NAVAL MARKET SOLUTIONS

### SOLUTIONS FOR NAVAL APPLICATIONS



SpinTact



M28840



µCom-10Gb+



USB3CFTV