



Optical Military Cable Assemblies

86389 Series

38999

28876

ARINC 400 and 600

Molex Now Competes in the Military and Aerospace Sectors With Optical 38999, 28876 and ARINC COTS Assemblies

Molex now offers Military 38999 and 28876 style circular connector cable assemblies and ARINC 400 and 600 style avionic assemblies. With 15 years of fiber optics experience, Molex can meet the demanding requirements of the military and aerospace environments with proven capabilities from design to production.

These rugged connectors can be terminated to both single-fiber and ribbon cable. They are ideal for use in avionics, flight control equipment, mobile tactical field command platforms, Electro Magnetic Interference (EMI) sensitive equipment, security devices and harsh environment applications.

Molex provides these Commercial Off-The-Shelf (COTS) optical cabling and connector components to provide cost-effective and short lead-time solutions. Array cable assemblies, EMI adapters, flexible circuitry, backplane systems and standard connectors (FC, LC, MT, MTP, SC and ST) are all available.



38999 cable assemblies shown

Features and Benefits

- Advanced termination processes provide exceptional performance in ferrule endface geometry
- Custom or standard assemblies are available which provide customer options
- Assemblies are factory polished, tested and serialized which ensures high performance assemblies with traceability function

SPECIFICATIONS

Reference Information

Designed In: Millimeters

Optical

Insertion Loss: <0.5dB per channel

Physical

Ferrules: 29504 approved termini (ferrules)

Mode: Singlemode or Multi-mode

Body Styles: Jam Nut, Plug or Wall Mount

Ferrule Groupings: Many versions available

Cable Length: Custom



APPLICATIONS



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- Military
- Avionics
- Flight control
- Mobile tactical field command platforms
- EMI sensitive applications
- Security applications
- Harsh environments



ORDERING INFORMATION

Order No.	Description
86389-0001	Optical Military Cable Assembly (Mechanical sample)

Note: 38999 connectors will not be sold separately

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Visit our Web site at http://www.molex.com/ind/military/optical_cables.html