HIGH-SPEED
ULTRA
MINIATURE
I/O DATALINKS

SUPERFLY DATALINK

The Nano Miniature 10G Ethernet, USB 3.0, and DisplayPort Connector with El Ochito® Octaxial Contact Technology

High speed, harsh environment SuperFly® Datalink connectors—with shielded El Ochito® octaxial contacts for 10Gb Ethernet, SuperSpeed USB, and high datarate video display protocols—deliver outstanding signal integrity and save significant size and weight compared to Quadrax.

SuperFly Datalink White

1000BASE-T Ethernet
10G Ethernet

SuperFly Datalink Blue

USB 2.0
SuperSpeed USB 3.0

SuperFly Datalink Red

eSATA / SATA
DVI-D (single)
HDMI • DisplayPort

- **Ultra-small size**
- **Shielded Octaxial contacts**
- **Up to 5 Gbps**
- **10Gb Ethernet and SuperSpeed USB**
- **New Red insert for high-speed video, consult factory for layouts**
- **Environmentally protected**
- **Factory-terminated cables or discrete contacts and cables for customer assembly**

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • High-Speed Interconnect Solutions

The high-speed nano miniature connector for harsh environments

CONNECTOR CONFIGURATIONS

Quick -disconnect "push-pull" versions are ideal for tactical gear. Threaded-coupling versions are intended for aircraft and space-grade applications where secure mating is a requirement.

Quick Disconnect

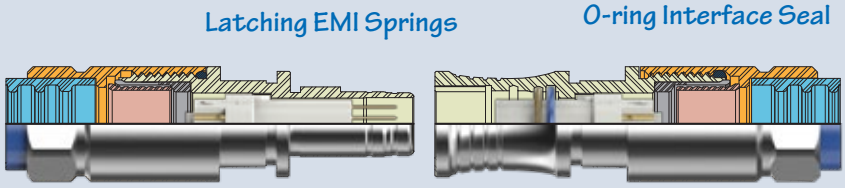
Threaded Coupling

Straight PC Tails

Right Angle PC Tails

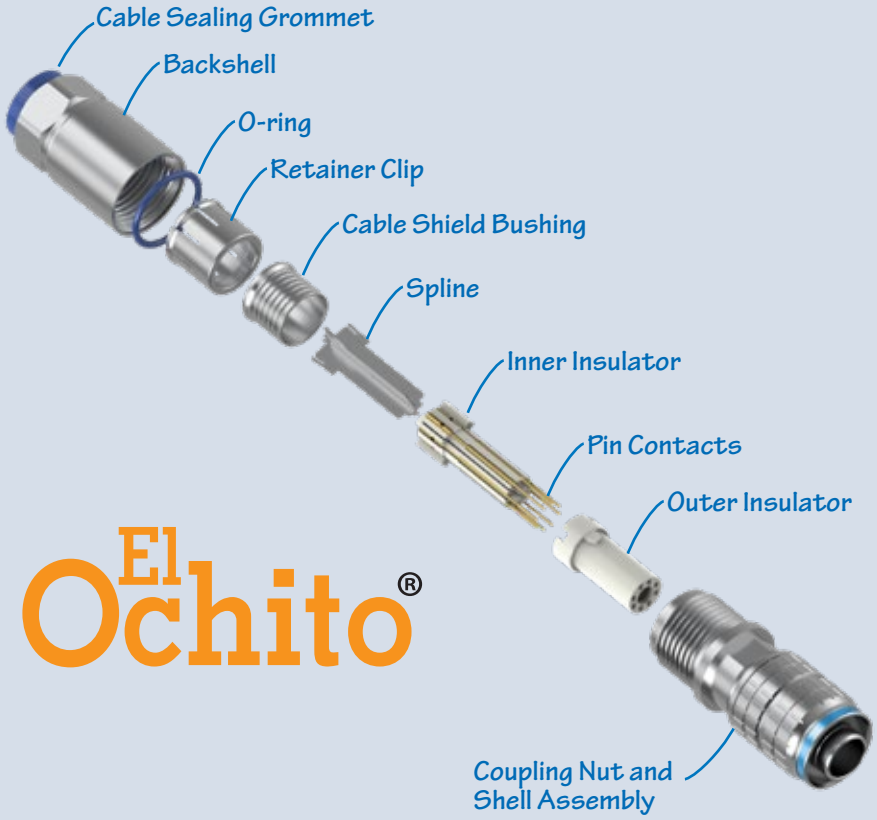
Conformal-coating-compliant panel mount connectors

Push-Pull Quick-Disconnect



Push-pull SuperFly Datalink receptacle connectors feature two canted coil springs for secure mating and excellent EMI protection. A fluorosilicone O-ring provides watertight sealing when mated.

Cable Connector



El Ochito®

Cable connectors feature gold-plated crimp contacts, precision insulators, integral backshell, sealing grommet and machined shells.

Selection Guide: SuperFly Datalink White for Ethernet

SuperFly Datalink Connectors, Octaxial, White

White dielectric indicates 100 ohm differential impedance for Ethernet protocols. Ideal for 1000BASE-T and 10GBASE-T applications in hostile environments with temperature extremes, high vibration, electromagnetic interference, as well as moisture exposure. Compatible with SAE AS6070 200°C flight-grade cable. Accepts 24 AWG or 26 AWG wire sizes. Available with secure threaded coupling or push-pull mating.

Quick Disconnect for 10Gb Ethernet

882-001 Cable Plug
Integral backshell and cable grommet. Supplied as unassembled kit for termination to Cat 6A Ethernet cable.

882-002 Cable Receptacle
Integral backshell and cable grommet. Supplied as unassembled kit for termination to Cat 6A Ethernet cable. Mates to 881-001.

882-005 Panel Receptacle, PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-001.

882-008 Panel Receptacle, 90° PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-001.

8571-0007 Cordset, Single-Ended
Pre-wired with aerospace-grade CAT 6A Ethernet cable. Cable has plug or receptacle on one end, other end is unterminated.

8571-0008 Cordset, Double-Ended
Pre-wired with aerospace-grade CAT 6A Ethernet cable. Cable has plug on one end and receptacle on the other end.

8571-0009 RJ45 Patchcord, Ground
Pre-wired with commercial-grade CAT 6A Ethernet cable. Cable has RJ45 plug on one end and plug or receptacle on the other end.

8571-0010 RJ45 Patchcord, Flight
Pre-wired with flight-grade CAT 6A Ethernet cable. Cable has RJ45 plug on one end and plug or receptacle on the other end.

Threaded Coupling for 10Gb Ethernet

882-003 Cable Plug
Integral backshell and cable grommet. Supplied as unassembled kit for termination to Cat 6A Ethernet cable.

882-006 Cable Receptacle
Integral backshell and cable grommet. Supplied as unassembled kit for termination to Cat 6A Ethernet cable. Mates with 882-003.

882-004 Panel Receptacle, PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-003.

882-007 Panel Receptacle, 90° PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-003.

8571-0012 Cordset, Single-Ended
Pre-wired with aerospace-grade CAT 6A Ethernet cable. Cable has plug or receptacle on one end, other end is unterminated.

8571-0013 Cordset, Double-Ended
Pre-wired with aerospace-grade CAT 6A Ethernet cable. Cable has plug on one end and receptacle on the other end.

8571-0015 RJ45 Patchcord, Ground
Pre-wired with commercial-grade CAT 6A Ethernet cable. Cable has RJ45 plug on one end and plug or receptacle on the other end.

8571-0016 RJ45 Patchcord, Flight
Pre-wired with flight-grade CAT 6A Ethernet cable. Cable has RJ45 plug on one end and plug or receptacle on the other end.

Flight-Grade 100 Ohm Ethernet Cable

963-033 S/FTP Cable
24 and 26 AWG. S/FTP construction, foil shielded data pairs. High performance shielded cable is AS6070/5 and /6 approved.

963-003 and 963-037 S/UTP Cable
24 and 26 AWG. S/UTP construction with fluoropolymer spline. Meets FAA flammability requirements.

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • High-Speed Interconnect Solutions
Dimensions in Inches (millimeters) are subject to change without notice.

Selection Guide: SuperFly Datalink Blue for USB 3.0

SuperFly Datalink Connectors, Octaxial, Blue

Blue dielectric indicates 90 ohm differential impedance for SuperSpeed USB. Ideal for USB 3.0 applications in hostile environments with temperature extremes, vibration, electromagnetic interference and moisture exposure. Designed for use with high performance aerospace grade USB 3.0 cable. Available with threaded coupling or push-pull mating.

Quick Disconnect for USB 3.0

882-009 Cable Plug
Integral backshell and cable grommet. Supplied as unassembled kit for termination to USB 3.0 cable.

882-010 Cable Receptacle
Integral backshell and cable grommet. Supplied as unassembled kit for termination to USB 3.0 cable. Mates to 881-009.

882-013 Panel Receptacle, PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-009.

882-016 Panel Receptacle, 90° PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-009.

8572-0006 Cordset, Single-Ended
Pre-wired with aerospace-grade or commercial-grade USB 3.0 cable. Cable has plug or receptacle on one end, other end is unterminated.

8572-0007 Cordset, Double-Ended
Pre-wired with aerospace-grade or commercial-grade USB 3.0 cable. Cable has plug on one end and receptacle on the other end.

8572-0008 Patchcord, USB
Pre-wired with commercial-grade USB 3.0 cable. Cable has standard USB connector on one end, other end is SuperFly Datalink.

Threaded Coupling for USB 3.0

882-011 Cable Plug
Integral backshell and cable grommet. Supplied as unassembled kit for termination to USB 3.0 cable.

882-014 Cable Receptacle
Integral backshell and cable grommet. Supplied as unassembled kit for termination to USB 3.0 cable. Mates with 882-011.

882-012 Panel Receptacle, PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-011.

882-015 Panel Receptacle, 90° PCB
Rear panel jam nut mount receptacle has O-ring seals and epoxy potting for watertight sealing. Mates with 882-011.

8572-0010 Cordset, Single-Ended
Pre-wired with aerospace-grade or commercial-grade USB 3.0 cable. Cable has plug or receptacle on one end, other end is unterminated.

8572-0011 Cordset, Double-Ended
Pre-wired with aerospace-grade or commercial-grade USB 3.0 cable. Cable has plug on one end and receptacle on the other end.

8572-0013 Patchcord, USB
Pre-wired with commercial-grade USB 3.0 cable. Cable has standard USB connector on one end, other end is SuperFly Datalink.

90 Ohm USB 3.0 Cable

963-110 Flight-Grade Cable
High temperature, high performance, fluoropolymer aterials, shielded. High speed pairs have braid shields. -65° to +200°C.

963-118 Commercial-Grade Cable
Black PVC jacket, foamed PE wire insulation. High speed pairs have foil shields. 0 to +80°C.

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • High-Speed Interconnect Solutions

Dimensions in Inches (millimeters) are subject to change without notice.