



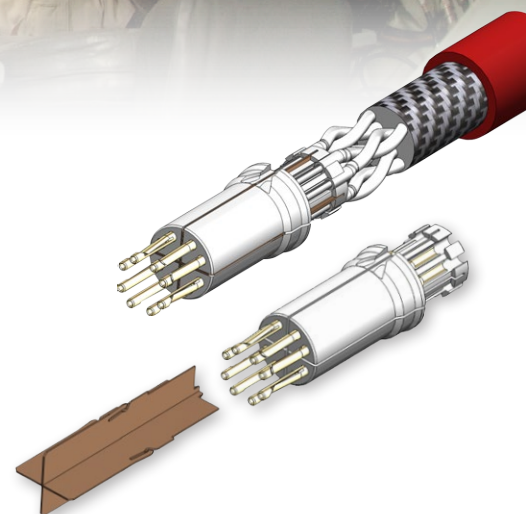
El Ochito™: The Ultimate Ethernet Contact

"The Little Eight": Eight miniaturized contacts in a standard size #8 shielded module—10G Ethernet ready, with dramatic size and weight reduction compared to all other available solutions

- Up to 50% total weight savings compared to Quadrax-based solutions
- One full Ethernet channel per standard size #8 cavity
- Fast and easy crimp termination of wires to contacts—PC Tails available
- 100% drop-in solution to installed connectors—no redesign or reinstallation of interfaces
- Supplied as crimp contacts, wire pigtails, or in PC tail configurations in the connector of your choice—up to 8 Ochito modules in a size 25 D38999
- Integral spline and short termination maximizes interconnect/cable performance and minimizes crosstalk
- El Ochito™ delivers the highest density contact system available—twice the density of Quadrax, split Quadrax, or other shielded contact solutions
- Tested, qualified, and in-stock for immediate shipment



El Ochito™ is a drop-in solution for Series 80 Mighty Mouse, as well as D38999 Series III, EN4165, EN3645, Radiall EPX® and other ARINC standards and is ideally suited for Ethernet, high-definition video, high-speed data loading, and other 1Gb/sec and 10Gb/sec applications.



El Ochito™ exploded view:
High mating durability, lightweight contact system with 100 Ohm shielded performance. Note wire twist maintained to contact pair to minimize characteristic impedance mismatch. Also, Conductive isolation shield dramatically reduces crosstalk

Glenair®

For more information
contact Glenair at
818-247-6000 or
visit our website at
www.glenair.com

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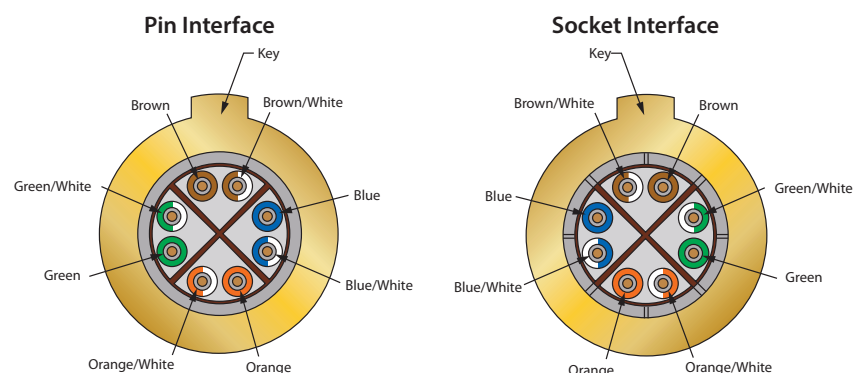


Specifications and ordering

How-To-Order El Ochito™ Contacts	
Size 8 Ochito 26-AWG Crimp Pin	Size 8 Ochito 26-AWG Crimp Socket
	
858-003-01 858-003-01F (with optional grommet follower)	858-004-01 858-004-01F (with optional grommet follower)

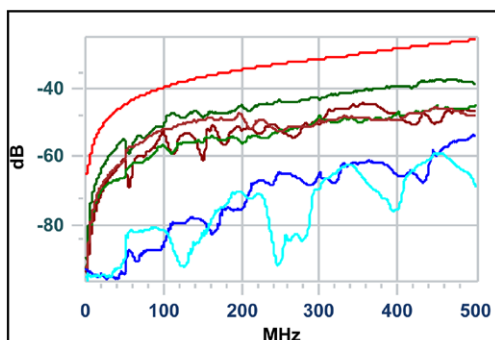


El Ochito™ utilizes Stinger™ contact technology. These small, durable, low mating force contacts provide El Ochito™ with optimized performance.

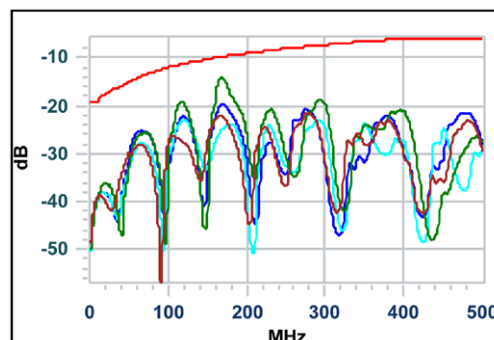


Recommended wire-to-contact assignments

Contact Performance Specifications	
Temperature Range	-55°C to +175°C
Environmental Sealing	IAW connector specification
Corrosion Resistance	48 hours salt spray
Fire, Smoke and Toxicity	IAW FAR 25
EMI Shielding	360° shielding for each pair
Nominal Current	1 Amp
Contact Resistance	Max 60 milliohms
Wire	IAW TIA/EIA Cat 6A and ISO E _A
Mating Cycles	> 500
DWV	500 VAC RMS sea level



Near End Crosstalk · Cat 6a · 500 MHz



Return Loss · Cat 6a · 500 MHz

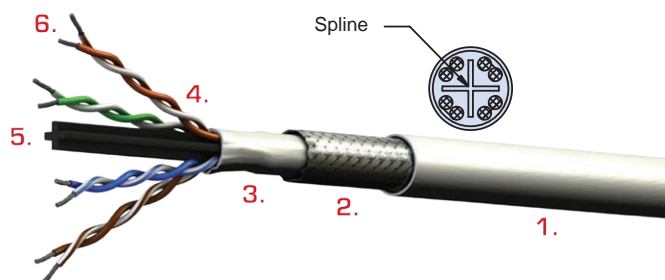
AEROSPACE-GRADE CAT 6a CABLE FOR OCHITO CONTACTS 963-003-26

CABLE PHYSICAL DATA

- Conductors: 26AWG stranded SPC
- Shield coverage: 80% (braid)
- Temperature: -55°C to +200°C
- Outer diameter: 0.220" (5.6mm)
- Minimum bend radius: 1.13" (28.7mm)
- Weight (lbs/100 ft): 3.05 (4.54 kg/100m)

CABLE CONSTRUCTION

1. White PTFE laser-printable jacket
2. Silver-plated copper shield
3. Fluoropolymer tape
4. PFA insulation
5. Fluoropolymer spline
6. Silver-plated copper conductors



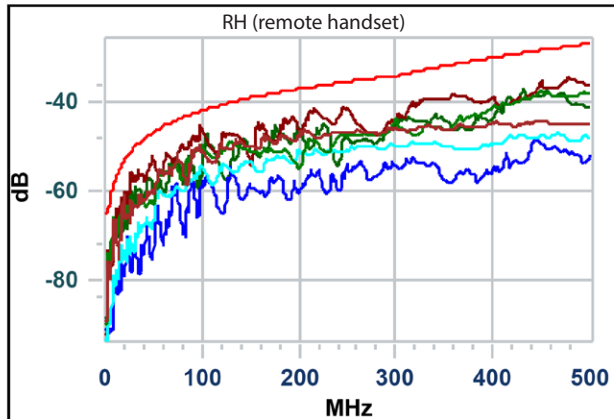
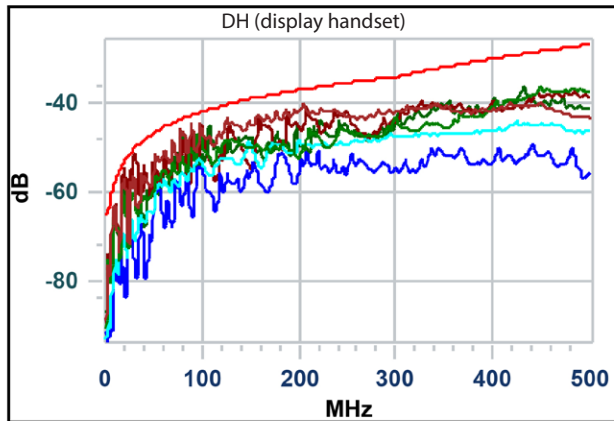
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10 Gigabit Ethernet performance



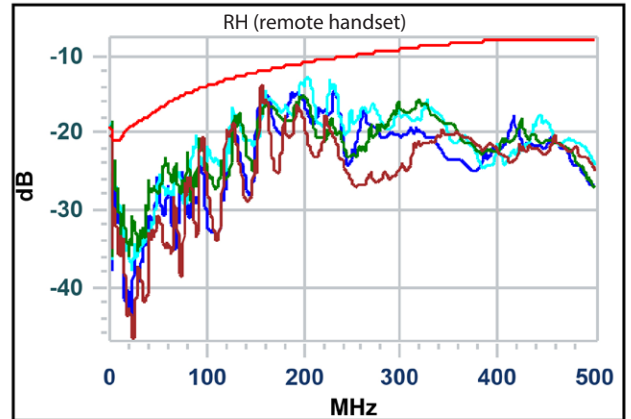
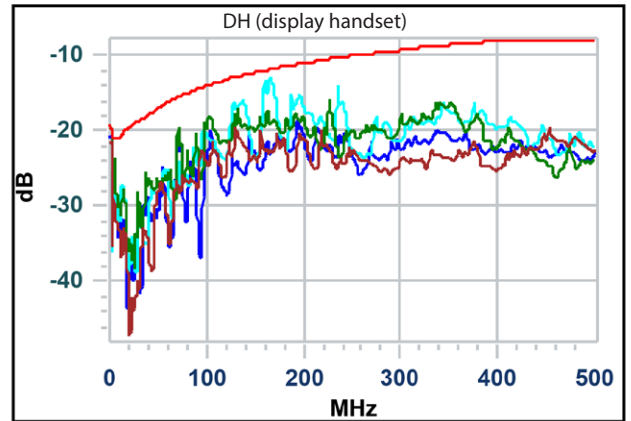
NEXT (Cat 6A STP Perm)

PASS



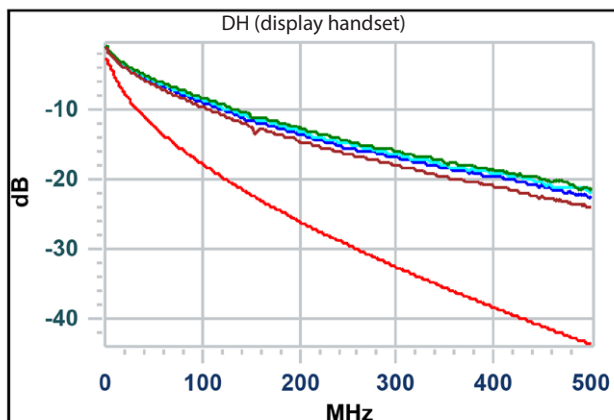
RETURN LOSS (Cat 6A STP Perm)

PASS

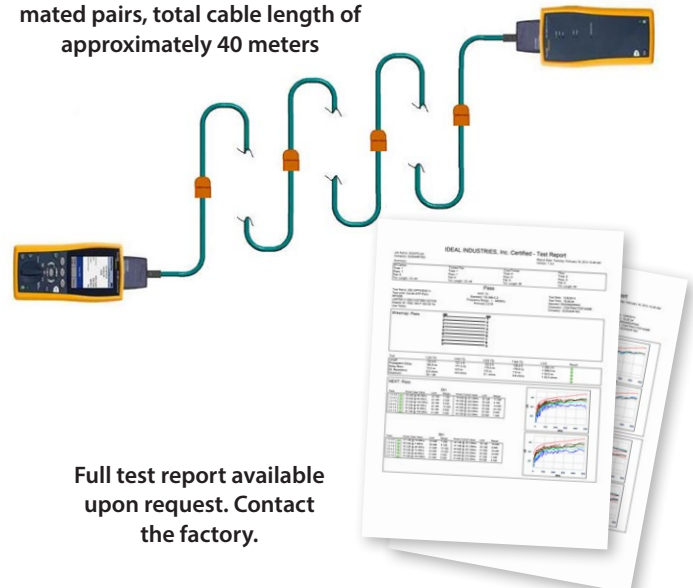


INSERTION LOSS (Cat 6A STP Perm)

PASS



Test configuration: four total Ochito mated pairs, total cable length of approximately 40 meters



Full test report available upon request. Contact the factory.