

Size 8 Quadrax Contacts



Quadrax contacts are used for 100 Mbit/s Ethernet protocols including 100BASE-TX and ARINC 664. Crimp termination. Compatible with SAE AS6070/1 and other aerospace-grade quad data cable. Supplied as unassembled kit with sealing boot and instruction sheet. Contacts snap into connector body and are removable with plastic tool purchased separately.

Ordering Information: Size #8 Quadrax Contacts

Wire Size (AWG)	Ref Cable Dia.	Cable Part Number	Pin Contact	Socket Contact
24	.160 (4.06)	AS6070/1 (SAE) E51424 (PIC) GSC-03-84608-00 (W L Gore) NF24Q100-01 (Carlisle)	854-047-02F	854-048-02F
24	.175 (4.45)	F 4704-4 (Draka) E50424 (PIC)	854-047-04F	854-048-04F
26	.137 (3.48)	NF26Q100-01 (Carlisle) E51426 (PIC)	854-047-01F	854-048-01F

Technical Data

Specifications

- Operating temperature: -65° to +175°C
- Operating frequency: DC – 3 GHz
- Characteristic Impedance: 100 ±10 ohms
- Dielectric withstanding voltage, inner to inner contact: 1000 Vrms sea level, 250 Vrms 70,000 feet.
- Dielectric withstanding voltage, inner to outer contact: 500 Vrms sea level, 250 Vrms 70,000 feet.
- Contact resistance, inner contacts: 55 millivolt max. voltage drop @ 1 ampere
- Contact resistance, outer body: 75 millivolt max. voltage drop @ 12A
- Insulation resistance: 5000 megohms min.
- Durability: 500 mating cycles

Construction

- Inner contacts, outer body: copper alloy, 50 microinches gold over nickel plating
- Crimp ferrule: copper alloy, 50 microinches gold over nickel plating
- Insulators: thermoplastic
- Sealing boot: fluorosilicone rubber, glass-filled thermoplastic

Crimp Tool for Inner Contacts

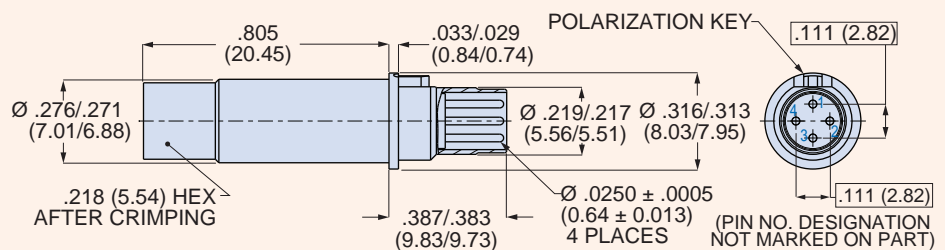
Mil Spec Hand Tool



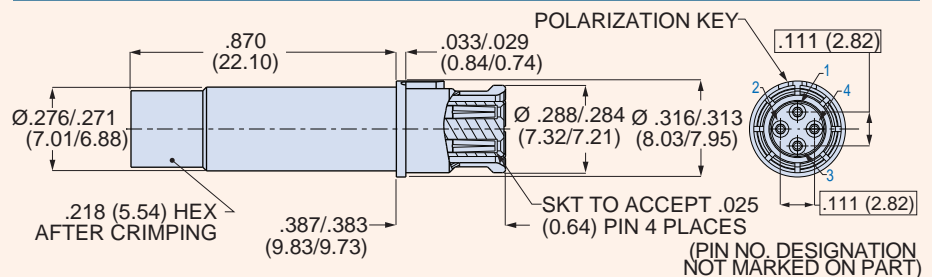
Positioner for Hand Tool



Pin Contact 854-047



Socket Contact 854-048



Hex Crimp Tool for Outer Body

Tool



Hex Die Set



Removal Tool



Sealing Boot

Sealing boots are supplied with contacts. To order contacts without sealing boots, delete the "F" suffix from the part number

