



# Mighty Mouse Connectors with Size #8 Quadrax, Twinax, Coax or Power Contacts

Size #8 100 Ohm Quadrax Contacts 854-001 and 854-002

K

Material and Finish	
Inner, Intermediate and Outer Contact, Crimp Sleeve	Copper alloy, 50 microinches gold over nickel
Insulators	PTFE
Sealing Boot Rigid Dielectric	Ultem
Sealing Boot Grommet	Fluorosilicone

Specifications	
<b>Current Rating</b>	<b>1 ampere</b>
Contact Resistance, Center and Intermediate Contacts	55 millivolt max. voltage drop @ 1 ampere
Contact Resistance – Outer Contact	75 millivolt max. voltage drop @ 12 amperes
Dielectric Withstanding Voltage, Center Contact to Intermediate Contact	1000 Vrms Sea Level, 250 Vrms at 70,000 feet
Dielectric Withstanding Voltage, Intermediate Contact to Outer Contact	500 Vrms Sea Level, 250 Vrms at 70,000 feet
Temperature Range	-65°C to +175°C
Durability	500 mating cycles
Corrosion	EIA-364-26, condition B, 48 hours
Vibration	EIA-364-28, condition V, letter J, 37g's
Shock	EIA-364-27, condition D, 300g's

## Termination tools for size #8 concentric twinax contacts



**A** M22520/2-01 crimper for center contact. Requires **B** positioner, ordered separately. Length is 6.75 inches, weight is approx. 10 oz.

**B** Positioner, M22520/2-37. Use with **A** crimper, ordered separately. Positioner holds contact at proper depth.

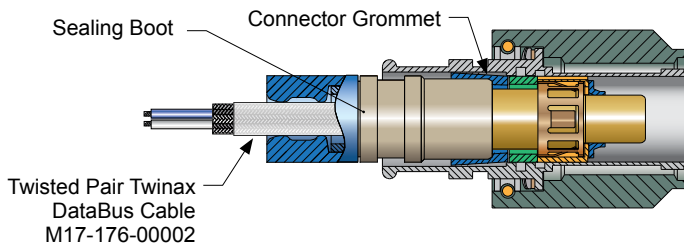
**C** Parallel action tool terminates intermediate contact and outer shield ferrule. Use with **D** hex crimp dies. 11 inches OAL, 2.0 pounds. Anodized aluminum frame, steel mechanism, plastic handles. Accepts all M22520/5 die sets.

**D** Die set for terminating intermediate contact and cable shield. Requires **C** crimp tool sold separately. Hardened steel, black oxide finish.

Figure	Part Number	Military Part Number	Daniels Part Number
A	809-015	M22520/2-01	AFM8
B	809-240	M22520/2-37	K709
C	809-129	M22520/5-01	HX4
D	859-048	M22520/5-105	Y631

## Sealing Boot information

The sealing boot is necessary to prevent moisture and contamination from penetrating the connector. The sealing boot is ordered separately. **DO NOT USE HEATSHRINK BOOT IF USING SEALING BOOT.** The boot consists of a rigid dielectric sleeve and a fluorosilicone rubber grommet. Slide boot onto cable before terminating contact. After the contact is installed into connector, seat the boot into connector grommet.



## Contact Removal Tool

Plastic tool extracts wired contact from connector. First, remove sealing boot, then insert tool from rear of connector.

Size	Part Number	Military Part Number
#8	859-049	M81969/14-12



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