

### About Series 79 Micro-Crimp Shell Plating Options



Micro-D connector shells are made of aluminum alloy and are coated to improve corrosion resistance. Electroless nickel plating is used for instrumentation, avionics and space applications where corrosion protection is not critical. Cadmium plating provides superior corrosion protection, but the United States Department of Defence (DOD) has mandated the elimination of cadmium from DOD weapons systems because of toxicity concerns. The European Union has also restricted the use of cadmium on electronics equipment (RoHS).

Glenair's **1000 Hour Grey™** nickel-PTFE plating meets the need for a high-performance cadmium replacement with excellent corrosion resistance, durability and excellent conductivity. In this catalog you will find three standard shell coatings: electroless nickel, Nickel-PTFE and black zinc-nickel. The table below shows additional plating options that are also available on any Series 79 Micro-Crimp connector.

#### MICRO-CRIMP SHELL PLATING CODES

Shell Plating	Plating Code	Salt Fog* (Hours)	Cadmium Free	Hexavalent Chromium Free	Conductivity	Compatible with EMI Spring	Typical Applications
<b>Electroless Nickel</b>	<b>M</b>	48	Yes	Yes	Excellent	Yes	Space vehicles, missiles, avionics, unmanned vehicles, instrumentation
<b>Nickel-PTFE</b>	<b>MT</b>	500	Yes	Yes	Excellent	Yes	Harsh environment, soldier systems, communications equipment
<b>Zinc-Nickel with Olive-Drab Chromate</b>	<b>ZN</b>	500	Yes	No	Good	No	Harsh environment, soldier systems, unmanned and manned vehicles
<b>Zinc-Nickel with Black Chromate</b>	<b>ZNU</b>	500	Yes	No	Good	No	Harsh environment, soldier systems, unmanned and manned vehicles
<b>Cadmium with Olive-Drab Chromate</b>	<b>N</b>	500	No	No	Excellent	No	Harsh environment, military equipment
<b>Cadmium with Yellow Chromate</b>	<b>J</b>	500	No	No	Excellent	No	General purpose military equipment
<b>Black Anodize</b>	<b>C</b>	336	Yes	Yes	Non-Conductive	N/A	Applications where EMI shielding is not required
<b>Gold</b>	<b>Z2</b>	48	Yes	Yes	Excellent	Yes	Space
<b>Chem Film</b>	<b>E</b>	48	Yes	No	Excellent	Yes	Avionics

\* Salt spray test in accordance with ASTM B117

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