

Materials & Finishes

TM Series • MIL-DTL-5015 Crimp Type Connectors

TM Series Finishes

A connector's finish does more than simply provide good looks. The finish is the first line of defense for a connector. It provides enhanced corrosion resistance and can be made conductive to provide electrical continuity across connector shells for EMI/RFI shielding applications. Olive drab cadmium and electroless nickel are the standard

finishes for the TM Series. Both finishes offer durability and corrosion resistance and will match the aesthetic design of most applications. In addition to the standard finishes, a number of specialty finishes are available for the TM Series, including RoHS compliant finishes for environmentally friendly designs and stainless steel for firewall applications. ■

Standard TM Series Materials & Finishes

Finish Code	Finish	Electrically Conductive	RoHS Compliant	Appearance	Shell Material	Salt Spray Rating	Recommended Operating Temperature Range
W	Olive Drab Cadmium	✓		Drab Olive Green	Aluminum	500 hrs	-67° to +347°F (-55° to +175°C)
N	Electroless Nickel	✓	✓	Bright Metal	Aluminum	48 hrs	-67° to +392°F (-55° to +200°C)
K	Passivated (Firewall)*	✓	✓	Matte Metal	SST Steel	1,000 hrs	-67° to +392°F (-55° to +200°C)

‡ Supplied with firewall rated flame resistant inserts designed to protect bulkheads from the passage of a 2,000°F (1,093°C) flame through the connector for a minimum of 20 minutes.

Special TM Series Materials & Finishes*

Finish Code	Finish	Electrically Conductive	RoHS Compliant	Appearance	Shell Material	Salt Spray Rating	Recommended Operating Temperature Range
B	Hardcoat Anodize		✓	Grey to Black	Aluminum	336 hrs	-67° to +257°F (-55° to +125°C)
C	Zinc Cobalt		✓	Black	Aluminum	125 hrs	-67° to +257°F (-55° to +125°C)
CC		✓	✓				
T	Hard Anodic		✓	Grey	Aluminum	500 hrs	-67° to +257°F (-55° to +125°C)
S	Passivated	✓	✓	Matte Metal	SST Steel	1,000 hrs	-67° to +392°F (-55° to +200°C)
KW	Olive Drab (Firewall)**	✓		Drab Olive Green			

* Please consult an authorized distributor for lead time information and minimum quantity requirements for special order finishes.

‡‡ Supplied with firewall rated flame resistant inserts designed to protect bulkheads from the passage of a 2,000°F (1,093°C) flame through the connector for a minimum of 20 minutes.



Olive Drab Cadmium (Aluminum)
A standard finish in the TM Series of connectors. It is electrically conductive for applications that require EMI/RFI shielding. The finish has a 500 hour salt spray rating, making it excellent for corrosion resistance.

Passivated Stainless Steel (Firewall Rated)

The TM Series features firewall rated connectors that offer improved temperature capabilities for use in engine compartments or for any other application where the need to prevent emergency fire ingress is necessary. Firewall connectors are machined from passivated stainless steel and feature flame resistant inserts.



RoHS Compliant Parts

Milnec provides a full offering of RoHS compliant finishes in conductive and non-conductive versions to best suit your application requirements.



Please consult the latest European Union general and regional regulations to ensure materials are appropriate for your application and compliance requirements.