

# Amphenol®

## Gray is the New Green



### Gray Zinc / Nickel (ZnNi) Plating

In a world of Black and white, the answer is typically Gray. Amphenol Gray ZnNi is your RoHS connector plating answer.

Amphenol Industrial Operations (AIO) is proud to offer a RoHS compliant harsh environment plating. Gray Zinc over an Electroless Nickel (Gray ZnNi) base, with a Light Gun Metal Gray appearance. This Plating was initially developed for Harsh Marine environments given it's high corrosion resistance. There is no significant galvanic reaction when mated with leading standard market plating options, and it is Cadmium Free, making this the ideal solution for high corrosive environments and is available in all your favorite Amphenol Industrial Connectors.

#### Features:

- Cadmium Free
- RoHS Compliant
- -65°C – 200°C Temperature Range
- <2.5mΩ Conductivity
- Rated at 500 Hours Salt Spray
- Compatible with Market Standard Plating Options
- Non Magnetic

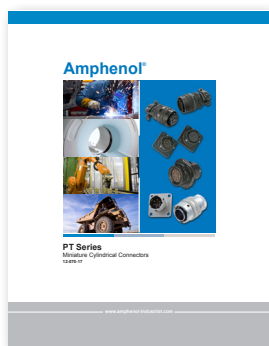
[www.amphenol-industrial.com](http://www.amphenol-industrial.com)



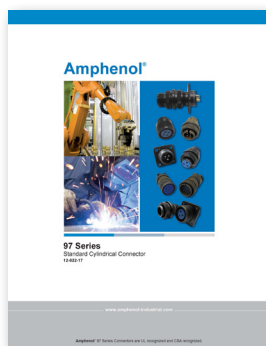
**Gray ZnNi plating** is available on Amphenol Industrial's standard core products, with no significant galvanic reaction between existing OD Cad, Black Zinc and Electroless Nickel plating. AIO's connectors plated in Gray ZnNi makes for the best harsh environment solutions on the market.



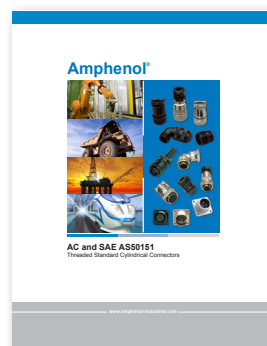
ACA-B-GT



PT



97 Series



5015-AC

Gray ZnNi plating meets the acceptance criteria of the following salt spray/salt fog tests:

- ISO 21207:2004 Method B
- ASTM B117 (500 hours)
- ANSI/EIA-364-26B

### How to Specify Gray ZnNi

Use the Amphenol Plating Suffix

**(Excluding 97 Series)**  
(072) at the end of a part number  
(724) = (116) RoHS Contacts &  
(072) Gray Zinc Nickel

**Example:**  
*GTC06F18-10P(072)*

**97 Series**  
(959) (no pre filled solder cups)  
(958) (solder filled solder cups -  
non-RoHS assembly)

**Example:**  
*97-3106A18-10P(959)*

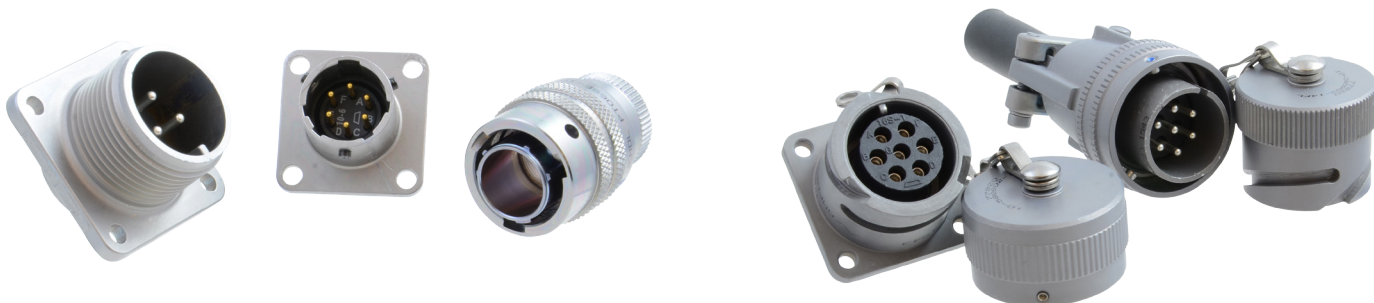
### Amphenol Industrial Plating Comparison:

|                              | Gray ZnNi | OD Cad                 | Electroless Nickel | Zinc Cobalt    |
|------------------------------|-----------|------------------------|--------------------|----------------|
| <b>Color</b>                 | Gray      | Olive Drab (Mil Green) | Nickel-Metallic    | Black or Green |
| <b>Compatible with CAD</b>   | ✓         | ✓                      | ✗                  | ✓              |
| <b>Salt Spray Resistance</b> | 500 hrs   | 96 hrs                 | 48 hrs             | 48 hrs         |
| <b>Temp Rating</b>           | 200 °C    | 125 °C                 | 200 °C             | 125 °C         |
| <b>Non-Reflective</b>        | ✓         | ✓                      | ✗                  | ✓              |
| <b>RoHS Compliant</b>        | ✓         | ✗                      | ✓                  | ✓              |

### Applications:

(But not limited to)

- Marine Craft
- Electric Vehicle
- Industrial Machinery / Equipment
- Power Generation



Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Amphenol:

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