

# MATERIALS & FINISHES

## **M** SERIES & **SB** SERIES

- Cable: 300 series stainless steel per MIL-W-83420 or RR-W-410.
- Screws: 300 series stainless steel; passivated per QQ-P-35C.
- Inserts: 300 series stainless steel, Helical coil type per NAS1130 or equivalent.
- Retainer Bars:
  - [ ] designation: 6061-T6 aluminum alloy with chem film per MIL-C-5541, CL1A.
  - [H] designation: 6061-T6 aluminum alloy with anodize per MIL-A-8625, Type II, CL1.
  - [S] designation: 300 series stainless steel with passivation per QQ-P-35C, Type II.

## **SM** SERIES

- Cable: 300 series stainless steel per MIL-W-83420 or RR-W-410.
- Inserts: 300 series stainless steel, Helical coil type per NAS1130 or equivalent.
- Retainer Bars: 6063-T52 aluminum alloy with chem film per MIL-C-5541, CL1A.

## ALTERNATE MATERIALS & FINISHES:

Below are some of the more common alternate materials used in the manufacture of IDC Cable Isolators. This is by no means a complete list. Please feel free to contact our Engineering Department to discuss any other material not shown below.

- Cable: 305 series SS (low magnetic permeability), 316 series SS (improved corrosion resistance), Galvanized steel (more economical), Inconel, Copper, etc...
- Screws: 305 series SS, 316 series SS, Cad plated alloy steel, Zinc plated alloy steel, 400 series SS, etc...
- Inserts: Key lock inserts per MS51830 & MS51831, etc...
- Retainer Bars: 305 series SS, 316 series SS, 400 series SS, Titanium, Copper, Aluminum alloys (2024, 5052, 7075), Alloy steel, etc...
- Finishes: Zinc plate, Cad plate, Hard anodize, CARC paint, Epoxy paint, Enamel, Polysulfide sealant (corrosion protection), etc...