

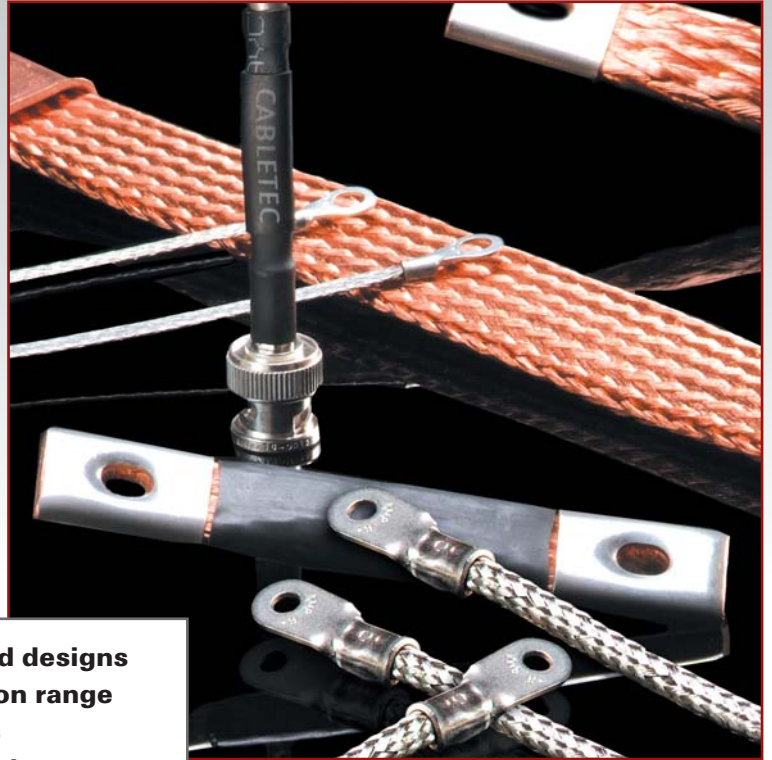


Bonding Leads

Bonding leads are used to protect electrical and electronic equipment by providing a connection to ground (earth or zero voltage). Connecting equipment to ground limits static and voltage build up and provides lightning protection.

The design options for bonding leads are numerous, the choice of which provide solutions to specific applications and performance requirements.

By selecting the correct braid and termination type our bonding leads are optimised to each performance criteria with respect to temperature, corrosion resistance, flexibility performance, weight and electrical characteristics.



Applications

- Commercial electronics
- Military/Aerospace
- Marine
- Utilities
- Electrical
- Offshore

- Customised designs
- Broad option range
- Low MOQs
- Short lead times
- Market approvals

BONDING LEADS

Design Options

Materials

Plain copper, Tin-plated copper, Nickel-plated copper, Silver-plated copper, Stainless Steel, Aluminium

Termination

- Insulated and plain crimped terminals
- Pressed ferrules, quick release, swaged

Insulation

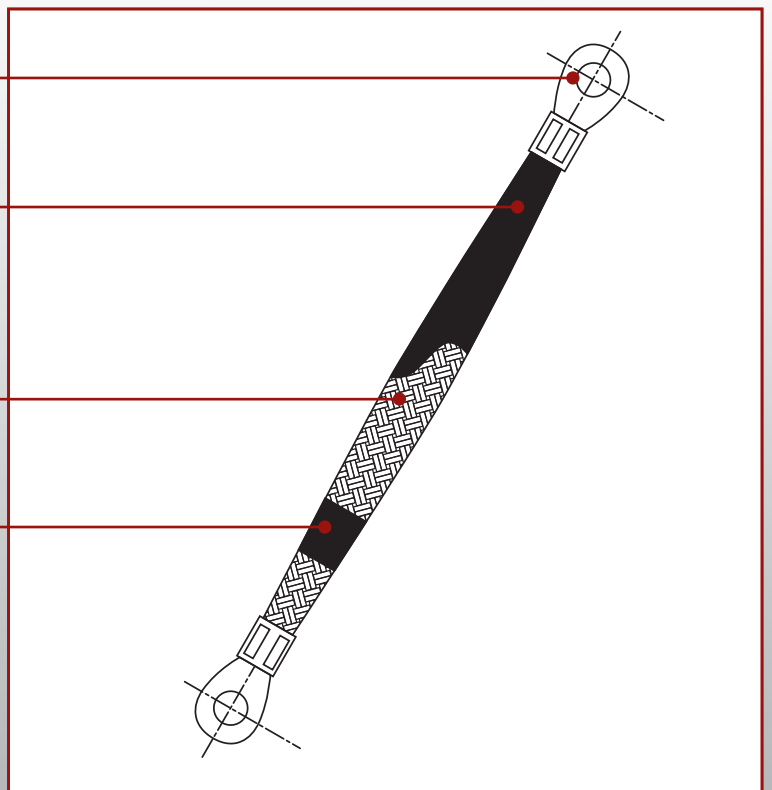
- CGPT Commercial
- RNF-100 General Purpose
- DR-25 Military, Aerospace
- ZHTM Rail, Marine

Braid

- Flat, Round, Rope, Layered
- 1.5mm² to 100mm²

Identification

- RPS Commercial, General purpose
- TMS-SCE Military, Aerospace
- HX-SCE Rail, Marine



Termination Options



Crimped Terminals

- Insulated and plain
- Wide size and type range
- Commercial and aerospace approved

Pressed Ferrules

- Customised designs
- Maximum conductivity and contact
- Minimum voltage drop
- Tough and robust

Quick Release

- Temporary bonding and fast disconnect
- Bayonet, screw and push-pull fittings
- Commercial and aerospace approved

Braid and Termination selection

	Conductivity	Oxidisation Resistance	Operating Temperature	Applications
Aluminium	Fair	Fair	Low	Industrial, Aerospace
Plain Copper	Good	Fair	Medium	Industrial, Rail
Tin-plated Copper	Good	Good	Medium	Industrial, Commercial
Stainless Steel	Poor	Good / Excellent	High	Industrial, Offshore
Nickel-Plated Copper	Good	Excellent	High	Aerospace, Marine

Copper, single layer flat braid current ratings

Cross-sectional Area (mm ²)	Current rating (amps)
1.5	28
2.5	34
6.0	69
10.0	97
16.0	132
25.0	178
50.0	282
100.0	400

Note: Above current ratings are based on a temperature rise of 50 °C above ambient.



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