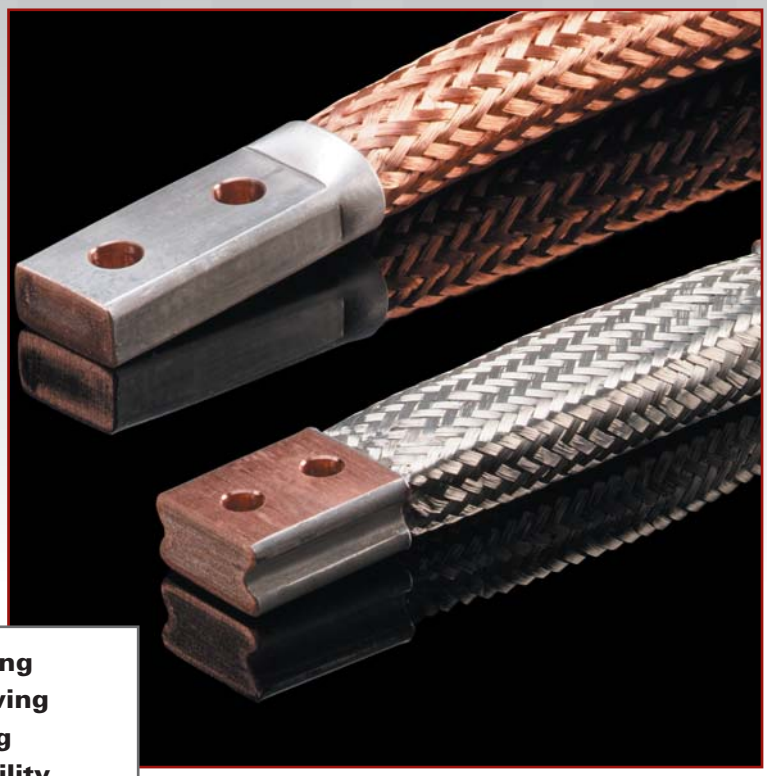
cabletec
INTERCONNECT • COMPONENTS • SYSTEMS

Power Shunts

Power shunts are large cross-sectional area braided connectors, customised and designed to meet the increasing demands of power distribution applications.

They are often designed with multi-layers of flat or round braids to achieve sizes of up to 1000mm² and to carry currents in excess of 400 amps.

Used as an alternative to solid bus bars and power cable assemblies, power shunts are capable of carrying very high currents yet are flexible, robust, easy to install and cost effective.



Applications

Power stations
Generators
Switchgear
Power Transmission

- **Space saving**
- **Weight saving**
- **Cost saving**
- **High flexibility**
- **Fast installation**

POWER SHUNTS

Design Optimisation

Computer aided design is applied to each power shunt proposal optimising weight, size, flexibility, performance and potential cost savings.

Termination

- High compaction
- Maximum conductivity
- Customised design

Braid configuration

- Flat or round
- Multi-layered
- High flexibility options

Insulation jacket options

- General purpose
- Fluid resistant
- High temperature
- Low smoke and toxicity

Braid and Termination selection

	Conductivity	Oxidisation Resistance	Operating Temperature	Applications
Plain Copper	Good	Fair	Medium	Industrial, Rail, Power
Tin-plated Copper	Good	Good	Medium	Industrial, Rail, Power

Copper, single layer flat braid current ratings

Cross-sectional Area (mm^2)	Current rating (amps)
100	400
240	650
300	760
500	1100
600	1250

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

The current rating values are based on a simple flat braid configuration. The actual current rating of a power shunt will vary according to the design and layout of the final braid configuration. It is recommended that each power shunt be tested and evaluated fully to ascertain its suitability to meet the requirements of its final application.

cabletec

Sunnyside Road Weston-super-Mare North Somerset BS23 3PZ UK
Tel: +4 4 (0) 1 9 3 4 4 2 4 9 0 0 • **Fax:** +4 4 (0) 1 9 3 4 6 3 6 6 3 2
Email: sales@cabletec.com
www.cabletec.com