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Professional manufacturer of flexible copper connectors.

BRIDGOLD SINCE 1980

浙江金桥铜业科技有限公司
ZHEJIANG BRIDGOLD COPPER SCIENCE AND TECHNOLOGY CO.,LTD



新能源 铜软连接及铝软连接 2017

FLEXIBLE COPPER CONNECTORS AND FLEXIBLE ALUMINUM CONNECTORS
FOR NEW ENERGY INDUSTRY



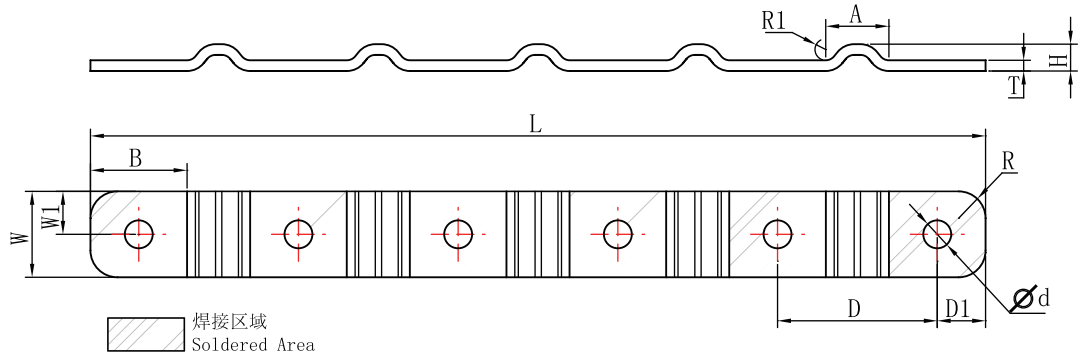
金桥铜业公司成立于1980年，专业制造各类铜、铝软连接产品，为新能源、输配电、轨道交通及通讯等行业提供高品质导电连接及接地连接解决方案。

金桥铜业持有 TS16949、ISO9001、ISO14001、OHSAS18001 及 RoHS 等多种认证证书，为 ABB、GE、施耐德、西门子、艾默生、本田、东芝、三菱及中国的中车等 2500 多家企业提供铜、铝软连接产品，是中国目前最大的铜、铝软连接供应商之一。

Founded in 1980, BRIDGOLD is a professional manufacturer of FLEXIBLE COPPER CONNECTORS of more than 2,000 models for Chinese and international clients in new energy, electrical transmission and distribution, transportation, and telecommunication industries, and provides them with the professional electrical conduction and earthing solutions.

BRIDGOLD owns the certifications of TS16949, ISO9001, ISO14001, OHSAS18001 and RoHS, etc, and has been supplying professional and excellent flexible copper connectors and flexible aluminum connectors for more than 2500 enterprises, and some of them are the world top ones, like ABB, HONDA, SCHNEIDER, SIEMENS, TOSHIBA, MITSUBISHI, GE, EMERSON and CHINA CRRC. BRIDGOLD is one of the largest manufacturers and suppliers of FLEXIBLE COPPER CONNECTORS and FLEXIBLE ALUMINUM CONNECTORS in China.





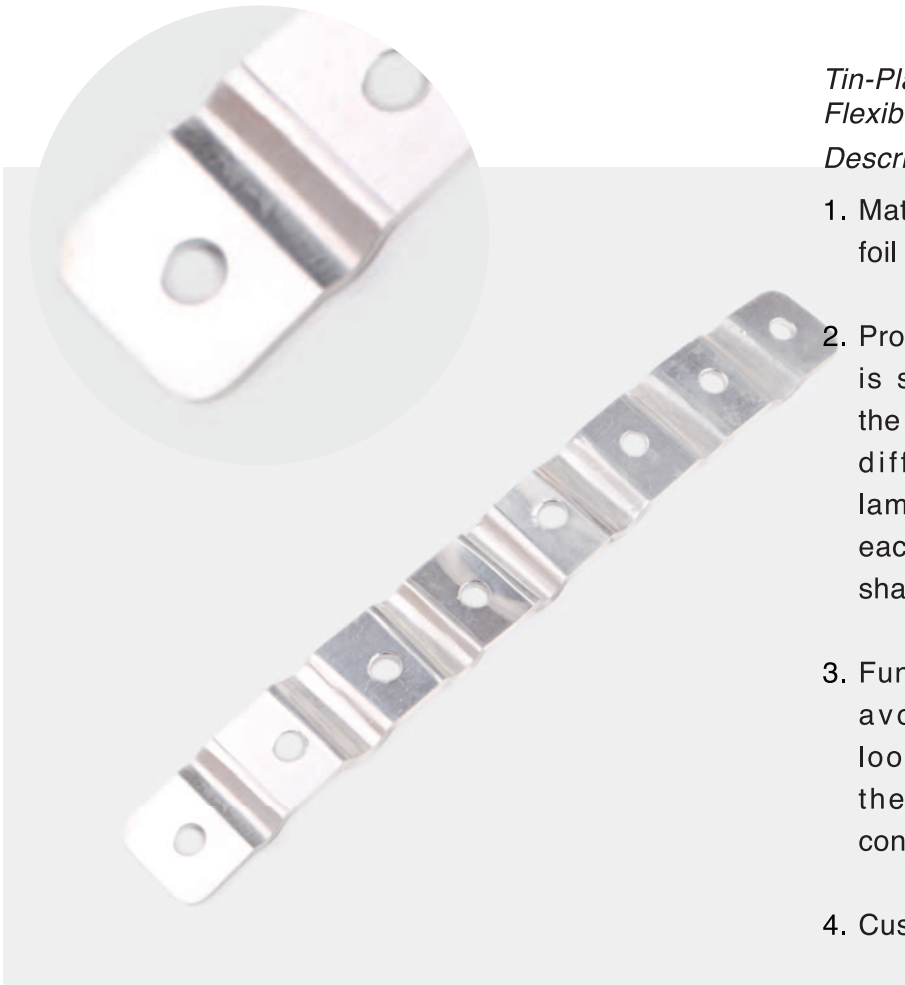
01

镀锡、镀镍、
镀银铜软连接
产品说明

- 1- 材料：T2 (C11000) 紫铜铜箔，单片厚度 0.05-0.20mm
- 2- 单片铜箔整体一次性下料，采用分子扩散焊技术，加压加热使铜箔与铜箔之间相互渗透，瞬间融合成整体。
- 3- 作用：具有良好的柔性导电作用，消除汽车在运行过程中因振动使紧固件松动而造成电池组导电性能不佳。
- 4- 按图定制

Tin-Plating, Nickel-Plating and Silver-Plating Flexible Laminated Copper Connectors Description

1. Material: T2 (C11000) copper foil, single foil thickness 0.05-0.20mm.
2. Processing technology: single lamination is shaped by one single cutting, and the contact area is welded by molecular diffusion welding technology; the lamination is pressed and heated with each other, and then the contact area is shaped.
3. Function: excellent flexible conductivity avoids the fasteners from getting loose during the running process of the vehicles, which may cause bad conductivity of the battery pack.
4. Customization as per your drawings.



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贴镍片、贴银片 铜软连接 产品说明

- 1- 材料：T2 (C11000) 紫铜铜箔，镍箔或银箔，单片厚度 0.05-0.20mm
- 2- 工艺：单片铜箔整体一次性下料，采用分子扩散焊接技术，加压加热使铜箔与铜箔之间相互渗透，瞬间融合成整体。
- 3- 作用：具有良好的柔性导电作用，消除汽车在运行过程中因振动使紧固件松动而造成电池组导电性能不佳，同时无酸贴片可避免电镀铜软连接因电镀液残留而造成铜箔腐蚀的隐患。
- 4- 按图定制

Flexible Laminated Copper Connectors with Nickel Foils or Silver Foils on Upper and Lower Laminations Description

1. Material: T2 (C11000) copper foil, nickel foil or silver foil, single foil thickness 0.05-0.20mm
2. Processing technology: single lamination is shaped by one single cutting, and the contact area is welded by molecular diffusion welding technology; the lamination is pressed and heated with each other, and then the contact area is shaped.
3. Function: excellent flexible conductivity avoids the fasteners from getting loose during the running process of the vehicles, which may cause bad conductivity of the battery pack, and meanwhile compared to the plated copper connectors, there will be no residual plating solution inside which may cause copper foils being corroded.





2- 绝缘材料：阻燃型热缩管，阻燃等级 VW-1，厚度 0.5-1.5mm

3- 绝缘层颜色：常用黑色，红色，橙色等。

4- 工艺：单片铜箔整体一次性下料，采用分子扩散焊技术，加压加热使铜箔与铜箔之间相互渗透，瞬间融合成整体。

5- 作用：具有良好的柔性导电作用，消除汽车在运行过程中因振动使紧固件松动而造成电池组导电性能不佳，同时绝缘层能减缓内部铜箔的氧化腐蚀，满足电气部件间的绝缘要求。

6- 按图定制

03

绝缘型铜软连接

- 套热缩管铜软连接

产品说明



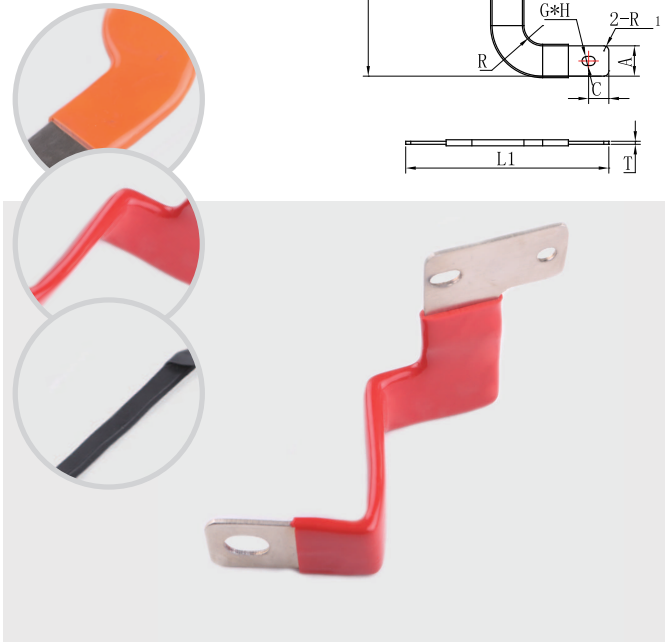
Insulated Flexible Laminated Copper Connectors

-Flexible Laminated Copper Connectors Insulated with Heat-Shrinkable Tube

Description

1. Material: T2 (C11000) copper foil, single foil thickness 0.05-0.20mm.
2. Insulation Material: flame-retardant heat-shrinkable tube, flame-retardant grade VM-1, thickness 0.5-1.5mm.
3. Standard Insulation Color: black, red, and orange, etc.
4. Processing technology: single lamination is shaped by one single cutting, and the contact area is welded by molecular diffusion welding technology; the lamination is pressed and heated with each other, and then the contact area is shaped.
5. Function: excellent flexible conductivity avoids the fasteners from getting loose during the running process of the vehicles, which may cause bad conductivity of the battery pack, and meanwhile the insulation can reduce oxidation and corrosion, thus the insulation requirements of electrical parts is satisfied.





绝缘型铜软连接 | 产品说明

- 浸塑铜软连接

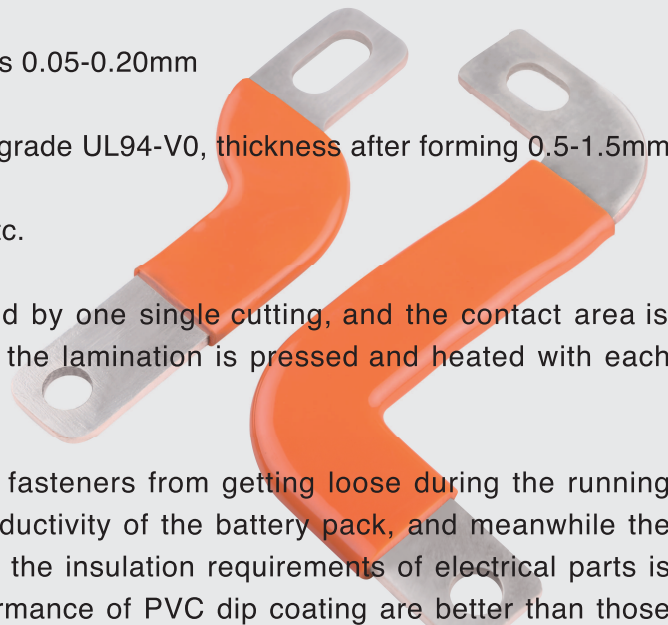
- 1- 材料：T2 (C11000) 紫铜铜箔，单片厚度 0.05-0.20mm
- 2- 绝缘材料：阻燃型热缩管，阻燃等级 VW-1，厚度 0.5-1.5mm
- 3- 绝缘层颜色：常用黑色，红色，橙色等。
- 4- 工艺：单片铜箔整体一次性下料，采用分子扩散焊接技术，加压加热使铜箔与铜箔之间相互渗透，瞬间融合成整体。
- 5- 作用：具有良好的柔性导电作用，消除汽车在运行过程中因振动使紧固件松动而造成电池组导电性能不佳，同时绝缘层能减缓内部铜箔的氧化腐蚀，满足电气部件间的绝缘要求。
- 6- 按图定制

Insulated Flexible Laminated Copper Connectors

-Flexible Laminated Copper Connectors Insulated with PVC Dip Coating

Description _____

1. Material: T2 (C11000) copper foil, single foil thickness 0.05-0.20mm
2. Insulation Material: liquid-state PVC, flame-retardant grade UL94-V0, thickness after forming 0.5-1.5mm
3. Standard Insulation Color: black, red, and orange, etc.
4. Processing technology: single lamination is shaped by one single cutting, and the contact area is welded by molecular diffusion welding technology; the lamination is pressed and heated with each other, and then the contact area is shaped.
5. Function: excellent flexible conductivity avoids the fasteners from getting loose during the running process of the vehicles, which may cause bad conductivity of the battery pack, and meanwhile the insulation can reduce oxidation and corrosion, thus the insulation requirements of electrical parts is satisfied, besides, the flexibility and abrasion performance of PVC dip coating are better than those of heat-shrinkable tube, which can guarantee the completeness of the insulation of flexible laminated copper connectors in abnormal shape.
6. Customization as per your drawings.





05

铝箔软连接 | 产品说明

- 1- 材料：纯铝箔，单片厚度 0.05-0.20mm
- 2- 工艺：单片铝箔整体一次性下料，采用分子扩散焊接技术，加压加热使铝箔与铝箔之间相互渗透，瞬间融合成整体。
- 3- 作用：具有良好的柔性导电作用，消除汽车在运行过程中因振动使紧固件松动而造成电池组导电性能不佳，同时铝软连接重量轻，减轻车辆重量，增加里程数。
- 4- 按图定制

Flexible Laminated Aluminum Connectors

Description

1. Material: pure aluminum foil, single foil thickness 0.05-0.20mm
2. Processing technology: single lamination is shaped by one single cutting, and the contact area is welded by molecular diffusion welding technology; the lamination is pressed and heated with each other, and then the contact area is shaped.
3. Function: excellent flexible conductivity avoids the fasteners from getting loose during the running process of the vehicles, which may cause bad conductivity of the battery pack, and meanwhile aluminum connectors have light weight, which can reduce the vehicle weight and increase mileage.
4. Customization as per your drawings.



06

铜排硬连接

- 普通型及异型

产品说明

1- 材料：T2（C11000）紫铜铜排

2- 作用：用于需要标准型及异型连接的电力，汽车，机械设备的导电，最适宜用于防火要求高，负荷波动大以及潮湿的恶劣环境中。

3- 按图定制



*Hard Copper Bar Connectors
(standard type and non-standard type)*

Description

1. Material: T2 (C11000) copper bar

2. Function: excellent conductivity for electrical, vehicle and mechanical equipment which need connection of standard type and non-standard type, and specially for installation environment with high fire protection requirement, large load fluctuation and high humidity.

3. Customization as per your drawings.



BRIDGOLD SINCE 1980
浙江金桥铜业科技有限公司
ZHEJIANG BRIDGOLD COPPER SCIENCE AND TECHNOLOGY CO., LTD

铜排硬连接（普通型及异型）

Hard Copper Bar
Connectors (standard type
and non-standard type)



07

铜线软连接

产品说明

- 1- 材料：T2 (C11000) 紫铜铜线，单丝直径 0.05-0.30mm，裸铜、镀锡、镀镍或镀银
- 2- 工艺：采用高速编织机编织成扁平形或圆形的编织线，两端采用铜管压接成接触面或采用铜端子作为安装连接点。
- 3- 作用：具有良好的柔性导电作用，尤其适用于振动频率大的新能源汽车动力部件。
- 4- 按图定制

Flexible Copper Wire Connectors Description

1. Material: T2 (C11000) copper wire, single wire diameter 0.05-0.30mm, non-plated, tin-plated, nickel-plated or silver-plated
2. Processing Technology: flat type or round type copper braids are braided by high-speed wire braiding machines, both ends are pressed with copper ferrules into a contact area, or mounted with lugs as installation connecting points.
3. Function: with excellent flexible conductivity, especially suitable for new energy vehicle power parts with large vibration frequency.
4. Customization as per your drawings.



铝线软连接

Flexible Aluminum Wire Connectors

08

铝线软连接

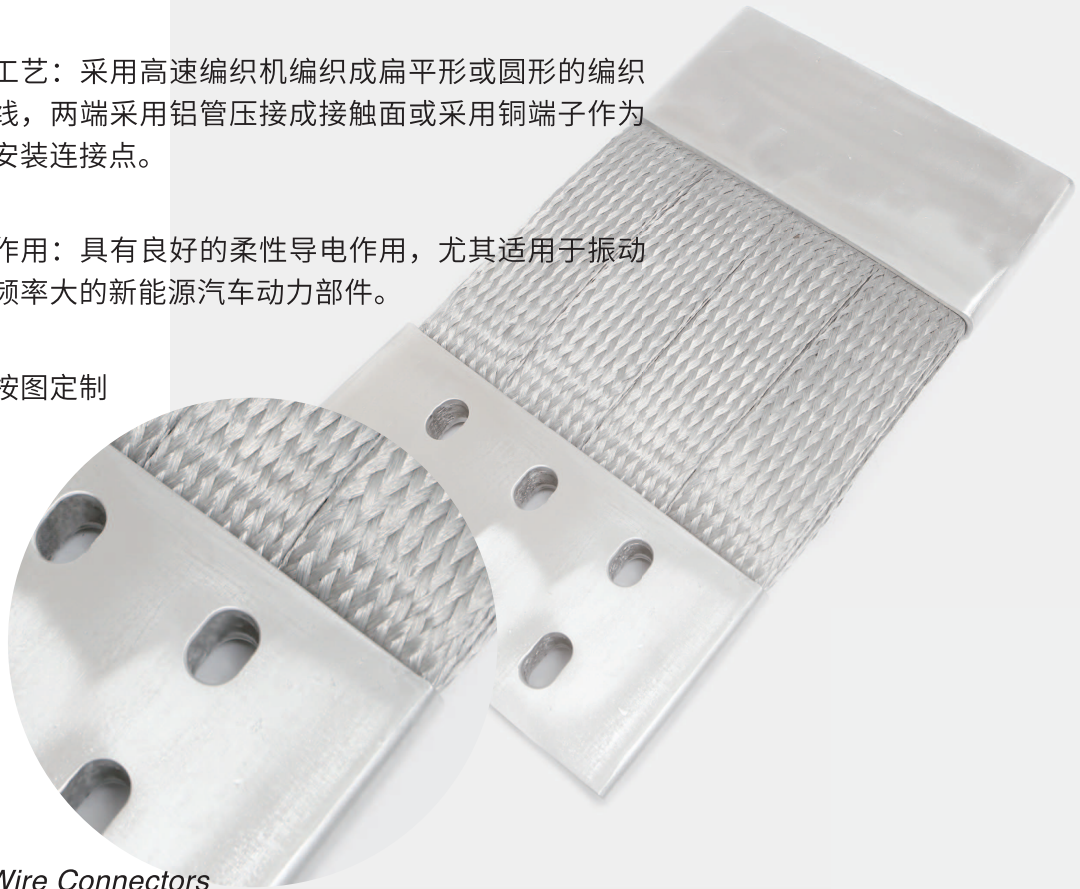
产品说明

1- 材料：纯铝或铝镁合金线，单丝直径 0.15 或 0.18

2- 工艺：采用高速编织机编织成扁平形或圆形的编织线，两端采用铝管压接成接触面或采用铜端子作为安装连接点。

3- 作用：具有良好的柔性导电作用，尤其适用于振动频率大的新能源汽车动力部件。

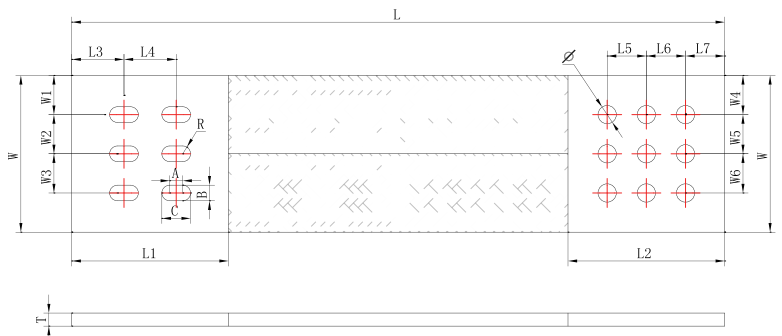
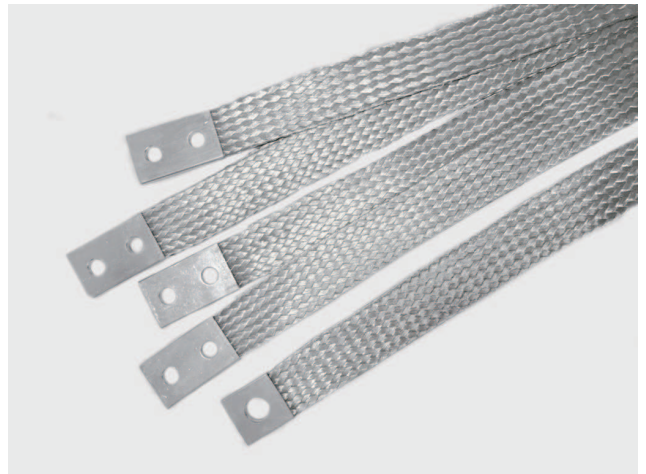
4- 按图定制



Flexible Aluminum Wire Connectors

Description

1. Material: pure aluminum wire or aluminum-magnesium alloy wire, single wire diameter 0.15 or 0.18mm.
2. Processing Technology: flat type or round type aluminum braids are braided by high-speed wire braiding machines, both ends are pressed with aluminum ferrules into a contact area, or mounted with lugs as installation connecting points.
3. Function: with excellent flexible conductivity, especially suitable for new energy vehicle power parts with large vibration frequency.
4. Customization as per your drawings.





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A young team creates limitless possibilities FOR YOU!


— by CEO Xiaoyan Zheng