Power Distribution System for Electric Vehicles

Busbar and Flexible connections

Since 1974 the BRAR Group has been one of the biggest manufacturers in the world of integrated high current solutions.

Industries served

Power Distribution System for Electric Vehicles

>> Busbars

Applications:
- Recharge Station
- Power Battery Pack
- Electric Motor

Materials:
- Copper
- Copper laminates

>> Flexible connections
Flexible connections

Laminated Flexible Connections are electrical conductors made of copper foils stacked together to reach the copper section required and manufactured according to the design requirements. The copper foils are press-welded together in some area, typically at the sides.

Laminated Flexible Connections allows thermal expansion and minimize the vibration transmission. Laminated Flexible Connections can be equipped with inserts and other components.

- Copper foils as per EN 13599, thickness 0.1–0.3mm, material Cu-HCP conductivity Min 98% IACS.
- Dimensional gauges control
- Voltage drop test to check the correct conductivity of press-welding process
- Metallographic inspection to evaluate the correct joining of copper foils where press-welded
- Different treatments according to Customer specification.
- Contamination acceptability limits.
- Shrink tube protections.

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