

STORM POWER COMPONENTS BUSBAR INSULATION OPTIONS

Call 800-394-4804 For Engineering Support

ERIFLEX Flexible Insulated Bus Bar



Storm Power's Flexible Insulated Busbar or ERIFLEX is made of stacked tinned-copper protected by durable PVC insulation. Available in 3 meter (3000mm) lengths and other custom cut lengths, ERIFLEX is also fast and easy to install. It occupies less space, while reducing the use of excess copper, balancing the copper to current capacity, by utilizing a protective, insulating PVC shield. Because the internal copper layers are free to flex within the insulation, installers are able to twist and bend the bus bar into tight spaces within circuit or panel board assemblies.

Like solid bus bar, ERIFLEX, flexible insulated bus bar can be punched or drilled after bending. All types of lug configurations are possible with less restriction to tolerances, making this remarkable bus a cost saving alternative to electrical cable with pre-set lugs.

Electrical Characteristics: Dielectric rigidity of 20 kV / mm, Voltage rated at 1000 VAC / 1500 VDC Temperature : -32 to -131 F°

IMPORTANT! Storm can also drill or punch holes, form (bend and shape) and custom-cut ERIFLEX to any size you need.

Features

- **Thin layers of tinned electrolytic copper formed into a stack**
- **Insulated by high-resistance, self-extinguishing PVC with less than 20% contact with conductor for high flexibility**
- **Easily bent, folded, and twisted, improving assembly flexibility, shortening connections, and decreasing footprint**
- **Dramatically smaller and more flexible than comparable cable based on ampacity**
- **Better power density than cable with lower skin effect ratio**
- **Connections made by punching and bolting directly through the copper laminates clamping onto the end of the ERIFLEX FLEXIBAR**
- **No lugs needed, reducing installation time and improving resistance to vibration**
- **Weight savings and material savings compared to wire alternatives**
- **Reduces total installation cost**
- **Traceability codes and designation part numbers printed on insulation**

[LINK TO BUSBAR AMPACITY TABLES >](#)

Specifications

Finish: Tinned
 Material: Copper; Polyvinylchloride
 Dielectric Strength: 20 kV/mm
 Flammability Rating: UL@ 94V-0
 Insulation Elongation: 370 %
 Insulation Thickness: 0.08"
 Nominal Voltage, UL/IEC:
 1,000 VAC; 1,500 VDC
 Operating Temperature: -58 to 221 °F
 Forming Temperature: 32 – 131 °F
 Complies With: IEC@ 60439.
 1; IEC@ 61439.1; IEC@ 61439.1 Class II

Black insulating PVC self-extinguish

Thickness: 1,5 - 2 mm

Specifications: upon BS 6746,
 DIN EN 50363, UL 94 VO

Elongation: > 200%

Tensile strength: > 15 N/mm²

Electrical characteristics

Dielectric rigidity: 20 kV / mm
 Tension of use: 1000 V AC
 100% production dielectric tested
 UL 758 Appliance Wiring Material
 requirements for Cold Bend testing
 at -40°C and -50°C (-40°F and -58°F)
 EAC & RoHS compliant

