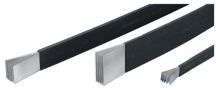
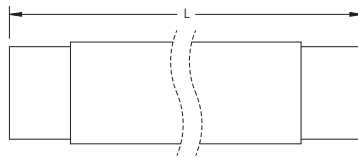
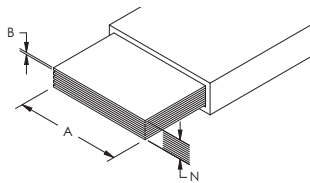


# ERIFLEX FLEXIBAR, Tinned Copper – FLEX3MTC10X40X1 (505526)



- 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, or welding using ERICO CADWELD
- 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
- 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 compliant
- RoHS compliant



|                                    |   |
|------------------------------------|---|
| Part Number                        | FLEX3MTC10X40X1                                       |
| Article Number                     | 505526  |
| Typical Application Current Rating | 800 A   |
| Finish                             | Tinned  |
| Material                           | Copper<br>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<br>1,500 VDC                                |
| Working Temperature                | -58 to 221 °F   |
| Forming Temperature                | 32 – 131 °F   |
| Certification Details              | UL® 67<br>UL® 758                                     |
| Complies With                      | IEC® 60439.1<br>IEC® 61439.1<br>IEC® 61439.1 Class II |

|                             |   |
|-----------------------------|---|
| Part Number                 | FLEX3MTC10X40X1   |
| Length (L)                  | 9.84'   |
| $\Delta T$ 30 K             | 879 A   |
| $\Delta T$ 45 K             | 1,097 A   |
| $\Delta T$ 60 K             | 1,282 A   |
| Conducting Layers (N)       | 10  |
| A                           | 1.575"  |
| B                           | 0.039"  |
| Cross Section               | 789.41 kcmil  |
| 2 Bar Current Coefficient   | 1.72  |
| 3 Bar Current Coefficient   | 2.25  |
| Certifications              | ABS 08-HS365878-2-PDA<br>Bureau Veritas 02859 BV<br>CE<br>CSA 90005<br>cURus<br>EAC 0234251 (Russian Federation)<br>IEC 61439-1 Class II FLEXIBAR<br>IEC 61439-1 FLEXIBAR<br>RoHS |
| Standard Packaging Quantity | 1 pc  |
| UPC                         | 78285644755   |
| EAN-13                      | 3479775055268   |

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

$\Delta T$  = Temperature of conductors – Internal temperature of panel.

Refer to technical documentation for additional ampacity ratings.

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