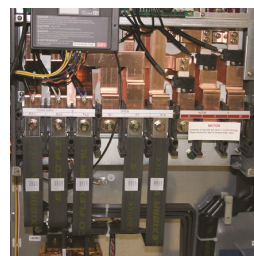
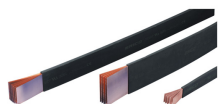
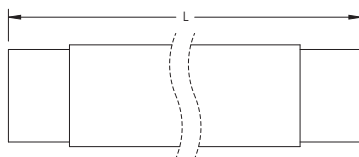
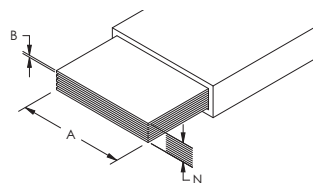


nVent ERIFLEX Flexibar, Red Copper – FLEX2MRC5X80X1 (552900)



- Thin layers of bare electrolytic copper formed into a stack
- Full range from 19.5 mm² up to 1200 mm² and 125 A to 2800 A
- 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 nVent ERIFLEX Flexibar, or welding using nVent 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 | FLEX2MRC5X80X1 |
| Article Number | 552900 |
| Typical Application Current Rating | 1,000 A |
| Material | Copper Polyvinylchloride |
| Dielectric Strength | 20 kV/mm |
| Flammability Rating | UL® 94V-0 |
| Insulation Elongation | 370 % |
| Insulation Thickness | 2 mm |
| Nominal Voltage, UL/CSA/IEC | 1,000 VAC 1,500 VDC |
| Working Temperature | -50 to 105 °C |
| Forming Temperature | 0 – 55 °C |
| Certification Details | UL® 67 UL® 758 |
| Complies With | IEC® 60439.1 IEC® 61439.1 IEC® 61439.1 Class II IEC® 60695-2-11 (Glow Wire Test 960 °C) |

| | |
|-----------------------------|--|
| Part Number | FLEX2MRC5X80X1 |
| Length (L) | 2,000 mm |
| ΔT 40 K | 1,050 A |
| ΔT 50 K | 1,175 A |
| ΔT 60 K | 1,285 A |
| Conducting Layers (N) | 5 |
| A | 80 mm |
| B | 1 mm |
| Cross Section | 400 mm ² |
| 2 Bar Current Coefficient | 1.65 |
| 3 Bar Current Coefficient | 2.12 |
| Unit Weight | 8.19 kg |
| Certifications | ABS 08-HS365878-2-PDA Bureau Veritas 02859 BV CE cURus EAC 02941 (Russian Federation) IEC 61439-1 Class II FLEXIBAR IEC 61439-1 FLEXIBAR RoHS |
| Standard Packaging Quantity | 2 pc |
| UPC | 78285687677 |
| EAN-13 | 3479775529004 |

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.

ΔT = Temperature of conductors – Internal temperature of panel.

Refer to technical documentation for additional ampacity ratings.

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WARNING

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