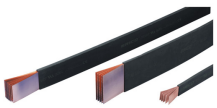
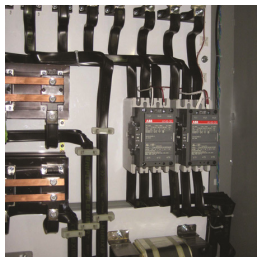
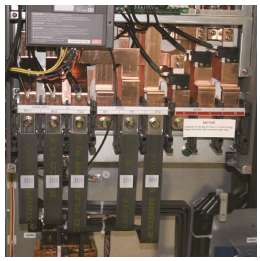
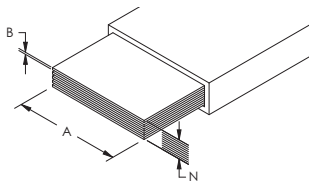
nVent ERIFLEX Flexibar, Red Copper – FLEX2MRC8X32X1 (552670)

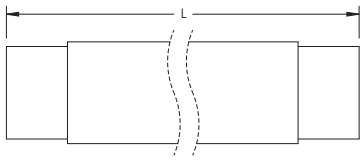






- Thin layers of bare electrolytic copper formed into a stack
- Full range from 19.5 mm² up to 1200 mm² and 125 A to 2800 A
- Insulated by high-resistance, self-extinguishing PVC with less than 20% contact with conductor for high flexibility
- Easily bent, folded, and twisted, improving assembly flexibility, 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	FLEX2MRC8X32X1
Article Number	552670
Typical Application Current Rating	800 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	FLEX2MRC8X32X1
Length (L)	2 000 mm
ΔT 40 K	770 A
ΔT 50 K	860 A
ΔT 60 K	943 A
Conducting Layers (N)	8
A	32 mm
B	1 mm
Cross Section	256 mm²
2 Bar Current Coefficient	1,72
3 Bar Current Coefficient	2,25
Unit Weight	5,1 kg
Certifications	ABS FLEXIBAR Bureau Veritas 02859 BV CE, ERIFLEX FLEXIBAR cURus EAC 02941 (Russian Federation) IEC 61439-1 Class II FLEXIBAR IEC 61439-1 FLEXIBAR RoHS
Standard Packaging Quantity	5 pc
UPC	78285687656
EAN-13	3479775526706

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
nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent 's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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