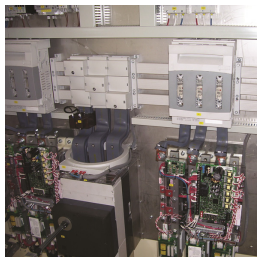
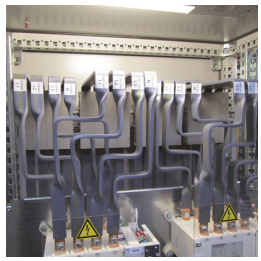
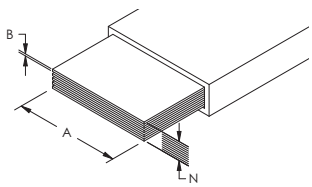
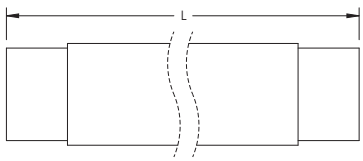
nVent ERIFLEX Flexibar Summum, Halogen Free





- Halogen free solution for applications requiring a low smoke solution
- Thin layers of bare electrolytic copper formed into a stack
- Silver or tinned nVent ERIFLEX Flexibar Summum available on request
- Insulated by halogen-free, high-temperature silicone
- 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
- Very high resistance to UV and ozone
- Limiting oxygen index (LOI)
- Traceability codes and designation part numbers printed on insulation
- Conforms to NF EN 45545 obtaining an HL2 classification for chapters R22 and R23
- EAC compliant
- RoHS compliant





Material: Copper, Silicone
Dielectric Strength: 20 kV/mm
Flammability Rating: UL® 94V-0
Insulation Elongation: 400 %
Insulation Thickness: 2 mm
Nominal Voltage, IEC: 1 000 VAC, 1 500 VDC
Working Temperature: -50 to 280 °C
Complies With: IEC® 60439.1, IEC® 61439.1

Part Number	Article Number	L (mm)	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm²)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEXSM2MRC2X20	566490	2 000	246	275	300	2	20	1	40	1,72	2,25
FLEXSM2MRC3X20	566500	2 000	323	360	395	3	20	1	60	1,72	2,25
FLEXSM2MRC2X24	566550	2 000	340	380	416	2	24	1	48	1,72	2,25
FLEXSM2MRC4X20	566510	2 000	360	402	440	4	20	1	80	1,72	2,25
FLEXSM2MRC3X24	566560	2 000	370	413	453	3	24	1	72	1,72	2,25
FLEXSM2MRC5X20	566520	2 000	376	420	460	5	20	1	100	1,72	2,25
FLEXSM2MRC4X24	566570	2 000	416	465	510	4	24	1	96	1,72	2,25

Part Number	Article Number	L (mm)	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm^2)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEXSM2MRC3X32	566630	2 000	430	480	525	3	32	1	96	1,72	2,25
FLEXSM2MRC5X24	566580	2 000	460	514	563	5	24	1	120	1,72	2,25
FLEXSM2MRC4X32	566640	2 000	490	548	600	4	32	1	128	1,72	2,25
FLEXSM2MRC6X24	566590	2 000	506	566	620	6	24	1	144	1,72	2,25
FLEXSM2MRC5X32	566650	2 000	573	640	702	5	32	1	160	1,72	2,25
FLEXSM2MRC6X32	566660	2 000	640	715	783	6	32	1	192	1,72	2,25
FLEXSM2MRC5X40	566720	2 000	680	760	832	5	40	1	200	1,72	2,25
FLEXSM2MRC6X40	566730	2 000	770	860	943	6	40	1	240	1,72	2,25
FLEXSM2MRC8X32	566670	2 000	770	860	943	8	32	1	256	1,72	2,25
FLEXSM2MRC5X50	566780	2 000	830	930	1 016	5	50	1	250	1,72	2,25
FLEXSM2MRC8X50	566800	2 000	1 050	1 175	1 290	8	50	1	400	1,72	2,25
FLEXSM2MRC10X40	566750	2 000	1 055	1 181	1 295	10	40	1	400	1,72	2,25
FLEXSM2MRC10X50	566810	2 000	1 245	1 395	1 525	10	50	1	500	1,72	2,25

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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