

# nVent ERIFLEX Flexibar Advanced, cynowana miedź

## Instalacje zasilające

Po szeroko zakrojonych badaniach firma nVent ERIFLEX z dumą ustanawia nowy złoty standard w odniesieniu do izolacji szyn giętkich pod nazwą nVent ERIFLEX Flexibar Advanced. The new product is low smoke, halogen-free and flame retardant all while maintaining the level of flexibility and reliability that our partners have come to expect from nVent ERIFLEX Flexibar.

Compared to standard PVC insulation, nVent ERIFLEX Flexibar Advanced does not generate corrosive gases and produces a relatively low smoke opacity in accordance with ISO 5659-2. The low smoke characteristic improves the visibility conditions for people to be able to easily locate the emergency exit and also allows rescue workers to assess an emergency situation more clearly. nVent ERIFLEX Flexibar Advanced means greater safety for individuals, less damage for your electrical equipment and less environmental impact.

The halogen-free feature enables a reduction in the quantity of toxic smoke. nVent ERIFLEX Flexibar Advanced does not contain any halogens, according to IEC 60754-1, minimizing toxicity and making it the ideal product for use in enclosed spaces such as data centers, rail and other spaces where people are welcome such as hospitals and schools. This also facilitates the use of nVent ERIFLEX Flexibar Advanced in specific applications such as submarines, switchboards and other enclosed environments that require a low emissions solution.

In addition to being halogen-free, nVent ERIFLEX Flexibar Advanced is also compliant with the UL 94-V0 testing standard. Część testu dotycząca trudnopalności odnosi się do właściwości w postaci samogaszenia. This superior feature of nVent ERIFLEX Flexibar Advanced is also shown by the Limiting Oxygen Index (LOI) at 30%. In case of fire, ERIFLEX Flexibar Advanced generates a limited quantity of smoke that is less damaging to your electrical equipment.



## CERTYFIKATY



## FUNKCJE

Thin layers of tinned electrolytic copper formed into a stack

Full range from 19.5 mm<sup>2</sup> up to 1200 mm<sup>2</sup> and 125 A to 2800 A

Insulated by high-resistance, halogen free, flame retardant and low smoke material 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 or clamping onto the end of the nVent 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

Conforms to NF EN 45545 obtaining an HL3 classification for chapters R22 and R23

100% production dielectric tested

RoHS compliant

Miedź cynowana umożliwia wykonywanie połączeń z użyciem przewodów miedzianych lub aluminiowych

On request, can be manufactured with other colors (typically with Orange sleeve for battery connection)

Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations

## OKREŚLENIU SPECYFIKACJI

Table 1/4

Numer katalogowy	Numer artykułu	Wytrzymałość dielektryczna	Halogen Free Rating	Low Smoke Rating	Smoke, Toxicity and Acidity Rating	UV Resistance Rating
FADV2MTC3X9	534001	20	UL® 2885, IEC® 60754-1, IEC® 62821-1	IEC® 61034-2, ISO 5659-2, UL® 2885	IEC® 60754-2	UL® 854, UL® 2556

Table 2/4

Numer katalogowy	Numer artykułu	Insulation Elongation	Grubość izolacji	Max Working Voltage, EN 50264-3-1	Max Working Voltage, UL/CSA/IEC	Temperatura robocza
FADV2MTC3X9	534001	500	1.8	6000	1000, 1500	-50 to 115

Table 3/4

Numer katalogowy	Numer artykułu	Szczegóły dotyczące certyfikacji	$\Delta T$ 40 K	$\Delta T$ 50 K	$\Delta T$ 60 K	Conducting Layers (N)
FADV2MTC3X9	534001	UL® 67, UL® 758	120	134	147	3

Table 4/4

Numer katalogowy	Numer artykułu	A	B	2 Bar Current Coefficient	3 Bar Current Coefficient
FADV2MTC3X9	534001	9	0.8	1.72	2.25

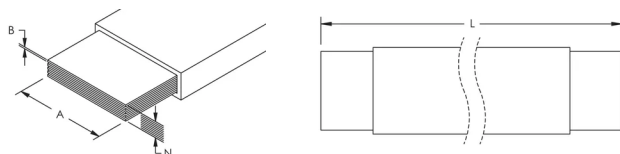
## ADDITIONAL PRODUCT DETAILS

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.

## SCHEMATY



## OSTRZEŻENIE

Produkty nVent powinny być instalowane i używane wyłącznie zgodnie z instrukcjami i materiałami szkoleniowymi nVent. Instrukcje są dostępne na stronie [www.nvent.com](http://www.nvent.com) oraz u przedstawiciela działu obsługi klienta firmy nVent. Nieprawidłowa instalacja, niewłaściwe użycie, niewłaściwe zastosowanie lub inne nieprzestrzeganie instrukcji i ostrzeżeń nVent może spowodować nieprawidłowe działanie produktu, uszkodzenie mienia, poważne obrażenia ciała i śmierć i/lub utratę gwarancji.



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