

# FleXbus Conductor Rep, 545 mm<sup>2</sup>, 24000 mm x 25 mm x 12,5 mm x 62,2 kg

## Data Solutions

### CATALOGUSNUMMER

**FLEXCORE545L24**



The nVent ERIFLEX FleXbus Conductor with Rodent and Termite Repellent is designed for easy, one-sided use with a direct connection to a busbar or circuit-breaker palm. This innovative and patented solution provides a reliable connection between two pieces of electrical equipment, such as a transformer, switchboard, or generator. The FleXbus Advanced solution ensures high reliability and offers a customizable on-site connection without the need for additional design studies, specialized workforce, or expensive tools. The FleXbus Conductor is insulated with a low-smoke, halogen-free, flame-retardant (LSHFRR), high-temperature, and class II material. It is a flexible, copper-plated, aluminum flat braid available in lengths from 2 to 25 meters and in various cross sections for 500A to 6300A applications. This conductor allows for connection from the power supply to switchgear with only one conductor per phase up to 1600kVA and with two conductors per phase up to 3150kVA.

### CERTIFICERINGEN



### KENMERKEN

Flexible, insulated, copper-plated aluminum flat braid

Better current/ampacity compared to cable due to the skin effect

Significantly more flexible than cable

No need to adhere to a bending radius

Ready-to-use from one side with a direct connection to a busbar or circuit breaker palm

Requires only one conductor per phase for 400kVA (560 A) to 1600kVA (2250 A) and two conductors per phase for 2000kVA (2800 A) to 3150kVA (4435 A)

Insulation sleeve contains a special additive that makes the Flexbus conductor resistant to rodents and termites

## PRODUCTKENMERKEN

Artikelnummer: 508470

Dwarsprofiel: 545mm<sup>2</sup>

Lengte 1 (L1): 24000mm

Lengte 2 (L2): 50mm

Materiaal geleider: Met koper bekleed aluminium

Isolatiemateriaal: Thermoplastisch elastomeer

Knaagdier- en termietbestendig: Getest volgens GB/T 34016-2017 en DIN EN 117

Afwerking connector: Vertind

Materiaal connector: Koper

Uitzetting isolatie: 500% min

Isolatiedikte: 2.5 – 3.5mm

Halogeen vrije classificatie: UL® 2885; IEC® 60754-1; IEC® 62821-2

Mechanische weerstandswaarde: IK09

UV-weerstandsspecificatie: UL® 2556; UL® 854

Rookarm-classificatie: IEC® 61034-2; ISO 5659-2; UL® 2885

Diëlektrische sterkte: 20kV/mm

Ontvlambaarheidsklasse: UL® 94V-0

Draaddiameter: 0.2mm

Nominale spanning, IEC: 1000V; 5000V

Max. bedrijfsspanning, EN 50264-3-1: 6000V

Werktemperatuur: -50 to 115°C

Voldoet aan: IEC® 60695-2-11 (gloeidraadtest 960 °C); IEC® 61439,1; IEC® 61439,1 Class II; IEC® 60364

ΔT 60 K: 1127A

Breedte 1 (W1): 58mm

Breedte 2 (W2): 50mm

Hoogte 1 (H1): 31.7mm

Hoogte 2 (H2): 18mm

Gatgrootte (HS): 11mm

Gewicht eenheid: 61.7kg

A: 25mm

C: 25mm

D: 12.5mm

Stroomcoëfficiënt 2 bar, niet-symmetrisch: 1.51

Stroomcoëfficiënt 2 bar, symmetrisch: 2

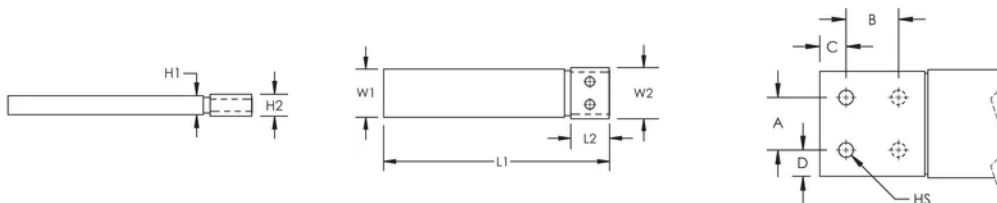
Installatiestandaard: AS 3008; BS 7671; CEI 64-8; CSN; DIN VDE 0100; HD 384; IEC® 60364; NBR 5410; NEN 1010; NFC 15-100; NIBT-NIN; NP (2002); ÖNORM; REBT; RGIE-AREI

## AANVULLENDE PRODUCTGEGEVENS

Optional extender available for more connection possibilities.

| Correctiefactor volgens de Temperatuurstijging |                               |                               |                               |                               |                               |                               |                               |                               |
|------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Temperatuurstijging $\Delta T$                 | $\Delta T 30^{\circ}\text{C}$ | $\Delta T 40^{\circ}\text{C}$ | $\Delta T 45^{\circ}\text{C}$ | $\Delta T 50^{\circ}\text{C}$ | $\Delta T 55^{\circ}\text{C}$ | $\Delta T 60^{\circ}\text{C}$ | $\Delta T 65^{\circ}\text{C}$ | $\Delta T 70^{\circ}\text{C}$ |
| Declassering coëfficiënt                       | 0.71                          | 0.82                          | 0.87                          | 0.91                          | 0.96                          | 1.00                          | 1.04                          | 1.08                          |

## DIAGRAMMEN



## WAARSCHUWING

nVent-producten moeten alleen worden geïnstalleerd en gebruikt zoals aangegeven in de instructiebladen en trainingsmateriaal van nVent. Instructiebladen zijn beschikbaar op [www.nvent.com](http://www.nvent.com) en bij uw nVent klantenservicevertegenwoordiger. Onjuiste installatie, misbruik, verkeerde toepassing of ander falen om de instructies en waarschuwingen van nVent volledig te volgen, kan leiden tot productstoringen, schade aan eigendommen, ernstig lichamelijk letsel en de dood en/of uw garantie ongeldig maken.



Ons krachtige merkenportfolio:

**CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE**