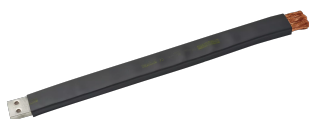


# FLEXBUS GELEIDER, 545 MM<sup>2</sup>, 4.000 MM X 25 MM X 12,5 MM X 10,3 KG

## CATALOG NUMBER

### FLEXCOND545L4



nVent ERIFLEX Flexbus Conductor is ready-to-use from one side with direct connection to busbar or circuit-breaker palm. It is an innovative and patented connection solution between two pieces of electrical equipment (such as a transformer, switchboard or generator). Flexbus Advanced maintains a high level of reliability and creates an easy and customizable connection on-site without additional design study, specific 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. Flexbus Conductor is a flexible, copper-plated, aluminum flat braid with insulation available from 2 to 25 meters length and under different cross section for 500A to 6300A applications. It 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.

## CERTIFICATIONS



## FEATURES

Flexible insulated copper-plated, aluminum flat braid

Better current/ampacity than cable due to skin effect

Much more flexible than cable

No bending radius to respect

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

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

## PRODUCTKENMERKEN

Article Number: 508022

Cross Section: 545 mm<sup>2</sup>

Length 1 (L1): 4000 mm

Length 2 (L2): 50 mm

Conductor Material: Copper Clad Aluminum

Connector Finish: Vertind

Connector Material: Koper

Insulation Material: Thermoplastic Elastomer

Insulation Elongation: 500 % Min

Insulation Thickness: 2,5 – 3,5 mm

Dielectric Strength: 20kV/mm

Euroclass CPR: Eca - s2, d2, a3

Flammability Rating: UL® 94V-0

Halogen Free Rating: UL® 2885;IEC® 60754-1;IEC® 62821-2

Low Smoke Rating: IEC® 61034-2;ISO 5659-2;UL® 2885

Mechanical Resistance Rating: IK09

UV Resistance Rating: UL® 2556;UL® 854

Wire Diameter: 0,2mm

Nominal Voltage, IEC: 1000V;1500V

Max Working Voltage, EN 50264-3-1: 6000V

Working Temperature: -50 tot 115 °C

Complies With: IEC® 60695-2-11 (Glow Wire Test 960 °C);IEC® 61439.1;IEC® 61439,1 Class II;IEC® 60364

ΔT 60 K: 1127A

Width 1 (W1): 58 mm

Width 2 (W2): 50 mm

Height 1 (H1): 31,65mm

Height 2 (H2): 18mm

Hole Size (HS): 11 mm

Unit Weight: 10,3 kg

A: 25 mm

C: 25 mm

D: 12,5 mm

2 Bar Current Coefficient, Non-Symmetric: 1,51

2 Bar Current Coefficient, Symmetric: 2

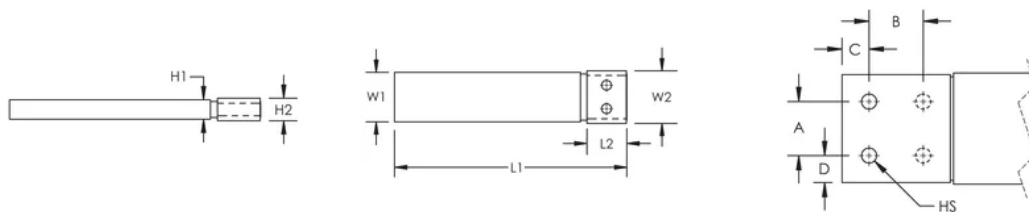
Installation Standard: AS 3008;BS 7671;CEI 64-8;CSN;DIN VDE 0100;HD 384;IEC® 60364

## ADDITIONAL PRODUCT DETAILS

Optional extender available for more connection possibilities.

| Correctiefactor volgens de Temperatuurstijging |         |         |         |         |         |         |         |         |
|------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Temperatuurstijging                            | ΔT 30°C | ΔT 40°C | ΔT 45°C | ΔT 50°C | ΔT 55°C | ΔT 60°C | ΔT 65°C | ΔT 70°C |
| Declassering coëfficiënt                       | 0.71    | 0.82    | 0.87    | 0.91    | 0.96    | 1.00    | 1.04    | 1.08    |

## DIAGRAMS



## WAARSCHUWING

Producten van nVent moeten worden geïnstalleerd en gebruikt op de manier zoals is aangegeven in de nVent productinformatiebladen en trainingsmaterialen. U kunt de productinformatiebladen downloaden van [www.nvent.com](http://www.nvent.com) of opvragen bij uw nVent-klantenservice. Door onjuist installeren, verkeerd gebruik, verkeerde toepassing of enige andere handeling in strijd met de instructies en waarschuwingen van nVent kan het product mogelijk niet correct werken, ernstig of fataal letsel en materiële schade veroorzaken en/of uw garantie ongeldig maken.

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