

# FleXbus Conductor Rep, 640 mm<sup>2</sup>, 5000 mm x 25 mm x 25 mm x 12,5 mm x 14,7 kg

## Data Solutions

### KATALOGNUMMER

### FLEXCORE640L5



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.

### CERTIFIERINGAR



### DESIGN

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

## PRODUKTATTRIBUT

Artikelnummer: 508475

Tvärsnitt: 640mm<sup>2</sup>

Längd 1 (L1): 5000mm

Längd 2 (L2): 75mm

Ledarens material: Kopparpläterad aluminium

Isoleringsmaterial: Termoplastisk elastomer

Bevis på gnagare och termite: Testad enligt GB/T 34016-2017 och din en 117

Anslutningens finish: Konserverad

Kontaktmaterial: Koppar

Förlängning av isoleringen: 500% min

Isoleringstjocklek: 2.5 – 3.5mm

Halogenfri klassificering: UL® 2885; IEC® 60754-1; IEC® 62821-2

Mekaniskt motstånd: IK09

UV-resistansvärde: UL® 2556; UL® 854

Låg rökklassning: IEC® 61034-2; ISO 5659-2; UL® 2885

Dielektrisk styrka: 20kV/mm

Brandklass: UL® 94V-0

Kabeldiameter: 0.2mm

Nominell spänning, IEC: 1000V; 5000V

Max. arbetsspänning, en 50264-3-1: 6000V

Arbetstemperatur: -50 to 115°C

Överensstämmer med.: IEC® 60695-2-11-(glödtrådens test vid 960 grader C); IEC® 61439,1; IEC® 61439,1 Class II; IEC® 60364

ΔT 60 K.: 1233A

Bredd 1 (W1): 58mm

Bredd 2 (W2): 50mm

Höjd 1 (H1): 31.15mm

Höjd 2 (H2): 21.3mm

Hålstorlek (HS): 11mm

Enhetens vikt: 14.7kg

A.: 25mm

B.: 25mm

C.: 25mm

D.: 12.5mm

2 bar strömkoefficient, icke-symmetrisk: 1.51

2 bar strömkoefficient, symmetrisk: 2

Installationsstandard: SOM 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); ÔNORM; REBT; RGIE-AREI

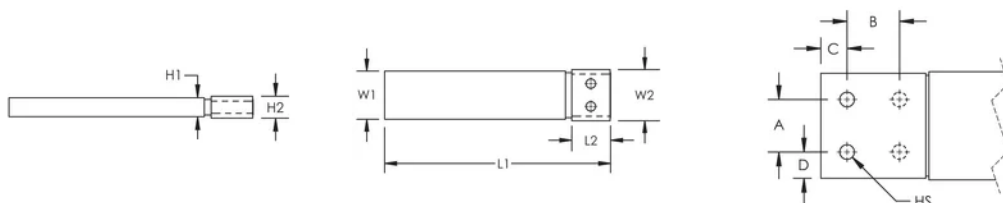
## YTTERLIGARE PRODUKTINFORMATION

Optional extender available for more connection possibilities.

Current Coefficient According to Temperature Rise

| Temperature Rise     | $\Delta T$ 30°C | $\Delta T$ 40°C | $\Delta T$ 45°C | $\Delta T$ 50°C | $\Delta T$ 55°C | $\Delta T$ 60°C | $\Delta T$ 65°C | $\Delta T$ 70°C |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Derating Coefficient | 0.71            | 0.82            | 0.87            | 0.91            | 0.96            | 1.00            | 1.04            | 1.08            |

## DIAGRAMS



## VARNING

nVent produkter ska installeras och användas endast så som anges i nVents bruksanvisning och utbildningsmaterial. Bruksanvisningar är tillgängliga på [www.nvent.com](http://www.nvent.com) och från din nVent kundtjänstrepresentant. Felaktig installation, missbruk, felapplicering eller annan brist i att helt följa nVents instruktioner och varningar kan orsaka att produkten brister, egendomsskador, allvarliga kroppsskador och dödsfall och/eller ogiltigförklara din garanti.



Vårt starka utbud av varumärken:

**CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE**