

FLEXBUS CONDUCTOR REP, 220 MM², 6000 MM X 25 MM X 12,5 MM X 7,6 KG

KATALOGNUMMER

FLEXCORE220L6



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 (LSHFFR), 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.

CERTIFICATIONS



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

Article Number: 508404

Tvärssnitt: 220mm²

Längd 1 (L1): 6000mm

Längd 2 (L2): 50mm

Conductor Material: Copper Clad Aluminum

Insulation Material: Thermoplastic Elastomer

Rodent & Termite Proof: Tested as per GB/T 34016-2017 & DIN EN 117

Connector Finish: Tinned

Connector Material: Copper

Insulation Elongation: 500% min

Isoleringstjocklek: 2.5 – 3.5mm

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

Mechanical Resistance Rating: IK09

UV Resistance Rating: UL® 2556; UL® 854

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

Dielektrisk styrka: 20kV/mm

Flammability Rating: UL® 94V-0

Ledningsdiameter: 0.2mm

Nominal Voltage, IEC: 1000V; 5000V

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

Arbetstemperatur: -50 to 115°C

Uppfyller kraven enligt: IEC® 60695-2-11 (Glow Wire Test 960 °C); IEC® 61439.1; IEC® 61439.1 Class II; IEC® 60364

ΔT 60 K: 666A

Bredd 1 (W1): 58mm

Bredd 2 (W2): 50mm

Höjd 1 (H1): 16.15mm

Höjd 2 (H2): 9mm

Håldimension (HS): 11mm

Enhetsvikt: 7.6kg

A: 25mm

C: 25mm

D: 12.5mm

2 Bar Current Coefficient, Non-Symmetric: 1.56

2 Bar Current Coefficient, Symmetric: 2

Installation Standard: 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

ADDITIONAL PRODUCT DETAILS

Optional extender available for more connection possibilities.

Current Coefficient According to Temperature Rise								
Temperature Rise	$\Delta T\ 30^{\circ}\text{C}$	$\Delta T\ 40^{\circ}\text{C}$	$\Delta T\ 45^{\circ}\text{C}$	$\Delta T\ 50^{\circ}\text{C}$	$\Delta T\ 55^{\circ}\text{C}$	$\Delta T\ 60^{\circ}\text{C}$	$\Delta T\ 65^{\circ}\text{C}$	$\Delta T\ 70^{\circ}\text{C}$
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 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.