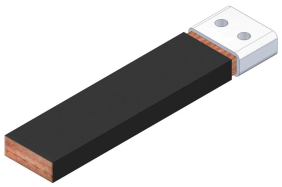
CONDUTTORE FLEXBUS REP, 545 MM², 18.000 MM X 25 MM X 12,5 MM X 46,6 KG

CATALOG NUMBER

FLEXCORE545L18



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

FEATURES

- 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

CARATTERISTICHE DEL PRODOTTO

Article Number: 508464

Cross Section: 545 mm²

Length 1 (L1): 18000 mm

Length 2 (L2): 50 mm

Conductor Material: Alluminio rivestito in rame

Insulation Material: Elastomero termoplastico

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

Connector Finish: Rivestito in stagno

Connector Material: Rame

Insulation Elongation: 500% Min

Insulation Thickness: 2,5 - 3,5 mm

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

Dielectric Strength: 20kV/mm

Flammability Rating: UL® 94V-0

Wire Diameter: 0,2mm

Nominal Voltage, IEC: 1000V;5000V

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

Working Temperature: - Da 50 a 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): 31,7mm

Height 2 (H2): 18mm

Hole Size (HS): 11 mm

Unit Weight: 46,3 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

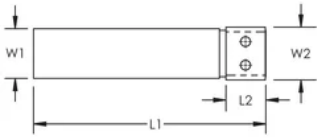
ADDITIONAL PRODUCT DETAILS

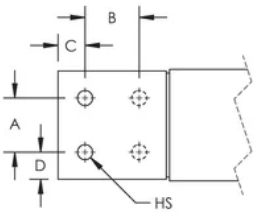
Extender opzionale disponibile per maggiori possibilità di connessione.

Coefficiente di corrente in base all'aumento della temperatura								
Temperatura ΔT	ΔT 30°C	ΔT 40°C	ΔT 45°C	ΔT 50°C	ΔT 55°C	ΔT 60°C	ΔT 65°C	ΔT 70°C
Coefficiente di declassamento	0.71	0.82	0.87	0.91	0.96	1.00	1.04	1.08

DIAGRAMS







AVVERTENZA

AVVERTENZA: i prodotti nVent devono essere installati e usati solo secondo le indicazioni riportate nei fogli delle istruzioni del prodotto nVent e nei materiali di formazione. I fogli di istruzioni sono disponibili sul sito www.nvent.com e presso il vostro rappresentante locale dell'assistenza clienti di nVent. Un'installazione scorretta, l'uso improprio, l'applicazione errata o altre inosservanze delle istruzioni e delle avvertenze di nVent possono causare un malfunzionamento del prodotto, danni alle proprietà, lesioni corporee gravi e morte e/o l'annullamento della garanzia.

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nVent reserves the right to change specifications without notice.