We connect and protect

FleXbus Conductor Rep, 1810 mm², 4000 mm x 50 mm x 50 mm x 30 mm x 31 kg

Data Solutions

NÚMERO DE CATÁLOGO

FLEXCORE1810L4

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

CARACTERISTICAS

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

CARATERÍSTICAS DO PRODUTO

Número do artigo: 508560

Corte transversal: 1810mm²

Comprimento 1 (L1): 4000mm

Comprimento 2 (L2): 100mm

Conductor Material: Copper Clad Aluminum

Insulation Material: Elastômero Termoplástico

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

Connector Finish: Tinned

Connector Material: Copper

Insulation Elongation: 500% min

Espessura do isolamento: 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

Rigidez dielétrica: 20kV/mm

Flammability Rating: UL® 94V-0

Diâmetro do fio: 0.2mm

Nominal Voltage, IEC: 1000V; 5000V

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

Temperatura de trabalho: −50 to 115°C

Em conformidade com: IEC® 60695-2-11 (Glow Wire Test 960 °C); IEC® 61439.1; IEC® 61439.1 Class II; IEC® 60364

ΔT 60 K: 2356A

Largura 1 (W1): 108mm

Largura 2 (W2): 110mm

Altura 1 (H1): 39.65mm

Altura 2 (H2): 25mm

Tamanho do orifício (HS): 14mm

Peso unitário: 31kg

A: 50mm

B: 50mm

C: 25mm

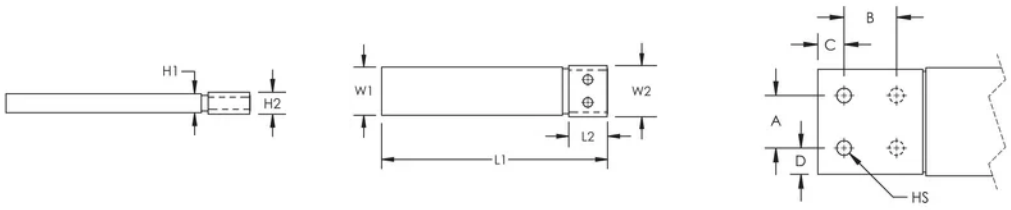
D: 30mm

2 Bar Current Coefficient, Non-Symmetric: 1.48
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); ÔNORM; REBT; RGIE-AREI

DETALHES ADICIONAIS DO PRODUTO

Optional extender available for more connection possibilities.

DIAGRAMAS



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