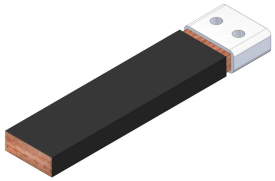
We connect and protect

FleXbus Conductor, 220 mm², 19,000 mm x 25 mm x 12.5 mm x 24.4 kg

Data Solutions

KATALOGNUMMER

FLEXCOND220L19



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 (LSHFFR), 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.

CERTIFICERINGER

FUNKTIONER

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)

PRODUKTEGENSKABER

Artikelnummer: 508218

Cross Section: 220mm²

Length 1 (L1): 19000mm

Length 2 (L2): 50mm

Conductor Material: Copper Clad Aluminum

Connector Finish: Tinned

Connector Material: Copper

Insulation Elongation: 500% min

Insulation Thickness: 2.5 – 3.5mm

Dielectric Strength: 20kV/mm

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 to 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: 666A

Width 1 (W1): 58mm

Width 2 (W2): 50mm

Height 1 (H1): 16.2mm

Height 2 (H2): 9mm

Hole Size (HS): 11mm

Unit Weight: 24.4kg

A: 25mm

C: 25mm

D: 12.5mm

2 Bar Current Coefficient, Non-Symmetric: 1.56

2 Bar Current Coefficient, Symmetric: 2

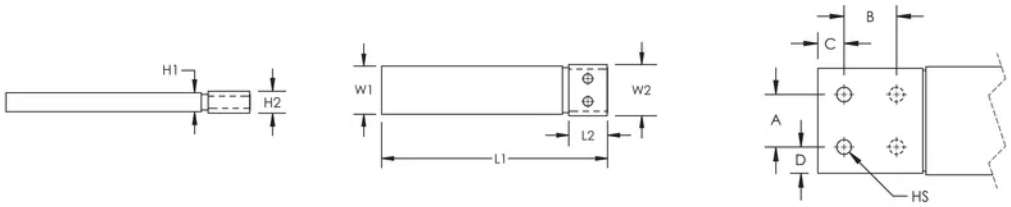
Installation Standard: AS 3008; BS 7671; CEI 64-8; CSN; DIN VDE 0100; HD 384; IEC® 60364; NBR 5410; NEN 1010; NFC 15-100; NIBT-NIN; NP (2002); ÖNORM; REBT; RGIE-AREI

YDERLIGERE PRODUKTOPLYSNINGER

Optional extender available for more connection possibilities.

Current Coefficient According to Temperature Rise								
Temperature Rise	ΔT 30°C	ΔT 40°C	ΔT 45°C	ΔT 50°C	ΔT 55°C	ΔT 60°C	ΔT 65°C	ΔT 70°C
Derating Coefficient	0.71	0.82	0.87	0.91	0.96	1.00	1.04	1.08

DIAGRAMS



ADVARSEL

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Vores kraftfulde portefølje af mærker:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE

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