

nVent ERIFLEX Flexbus Conductor

Power Utilities



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 10 meters length and under different cross section for 500A to 4500A 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.

CERTIFICATIONS



VLASTNOSTI

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)

SPECIFIKACE

Table 1/5

Katalogové číslo	Article Number	Length 1 (L1)	Length 2 (L2)	Connector Finish	Insulation Elongation	Insulation Thickness
FLEXCOND128 OL10	508058	10,000 mm	100 mm	Tinned	500 % Min	2.5 – 3.5 mm

Table 2/5

Katalogové číslo	Article Number	Dielectric Strength	Euroclass CPR	Halogen Free Rating	Low Smoke Rating	Mechanical Resistance Rating
FLEXCOND128 OL10	508058	20 kV/mm	Eca - s2, d2, a3	UL® 2885, IEC® 60754-1, IEC® 62821-2	IEC® 61034-2, ISO 5659-2, UL® 2885	IK09

Table 3/5

Katalogové číslo	Article Number	UV Resistance Rating	Nominal Voltage, IEC	Working Temperature	ΔT 60 K	Width 1 (W1)
FLEXCOND128 OL10	508058	UL® 2556, UL® 854, IEC® 60364: AN3 Level	1,000 VAC, 1,500 VDC	-50 to 115 °C	1,984 A	108 mm

Table 4/5

Katalogové číslo	Article Number	Width 2 (W2)	Height 1 (H1)	Height 2 (H2)	Unit Weight	A
FLEXCOND128 OL10	508058	100 mm	31.1 mm	18 mm	56.800 kg	50 mm

Table 5/5

Katalogové číslo	Article Number	B	C	D	2 Bar Current Coefficient, Non-Symmetric	2 Bar Current Coefficient, Symmetric
FLEXCOND128 OL10	508058	50 mm	25 mm	25 mm	1.48	2

**Installation
Standard:**

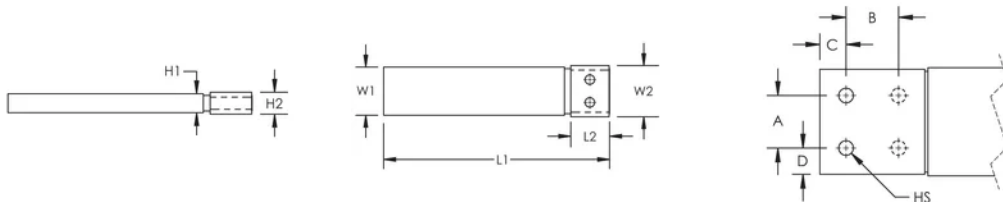
AS 3008;BS 7671;CEI 64-8;CSN;DIN VDE 0100;HD 384;IEC® 60364;NBR 5410;NEN 1010;NFC 15-100;NIBT-NIN;NP (2002);ÖNORM;REBT;RGIE-AREI

DALŠÍ PODROBNOSTI O PRODUKTU

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



UPOZORNĚNÍ

Produkty nVent musí být instalovány a používány pouze tak, jak je uvedeno v instrukčních listech a materiálech pro školení nVent. Instrukční listy jsou k dispozici na www.nvent.com a od vašeho zástupce zákaznického servisu nVent. Nesprávná instalace, zneužití, nesprávné použití nebo jiný nedostatek úplného dodržování pokynů a varování nVent může způsobit selhání produktu, poškození majetku, vážné zranění osob a smrt a/nebo zrušit vaši záruku.



Naše portfolio silných značek:

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