

nVent ERIFLEX Flexbus-ledare

Energiföretag



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.

CERTIFIERING



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)

SPECIFIKATIONER

Table 1/5						
Katalognummer	Artikelnummer	Längd 1 (L1)	Length 2 (L2)	Connector Finish	Insulation Elongation	Isoleringstjocklek
FLEXCOND128 OL10	508058	10,000 mm	100 mm	Förtennad	500 % Min	2.5 – 3.5 mm

Table 2/5						
Katalognummer	Artikelnummer	Dielektrisk styrka	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						
Katalognummer	Artikelnummer	UV Resistance Rating	Nominal Voltage, IEC	Arbetstemperatur	ΔT 60 K	Bredd 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						
Katalognummer	Artikelnummer	Width 2 (W2)	Höjd 1 (H1)	Height 2 (H2)	Enhetsvikt	A
FLEXCOND128 OL10	508058	100 mm	31.1 mm	18 mm	56.800 kg	50 mm

Table 5/5						
Katalognummer	Artikelnummer	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:**

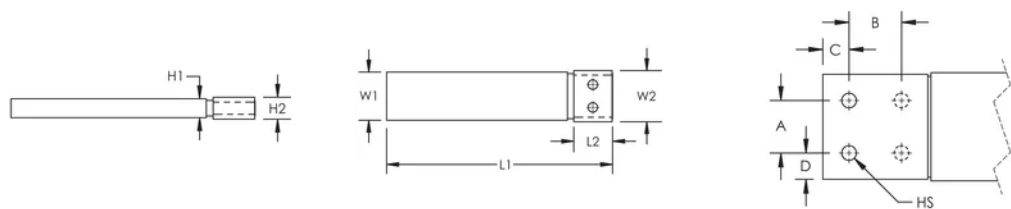
AS 3008;BS 7671;CEI 64-8;CSN;DIN VDE 0100;HD 384;IEC® 60364;NBR 5410;NEN 1010;NFC 15-100;NIBT-NIN;NP (2002);ÖNORM;REBT;RGIE-AREI

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

DIAGRAM



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.



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