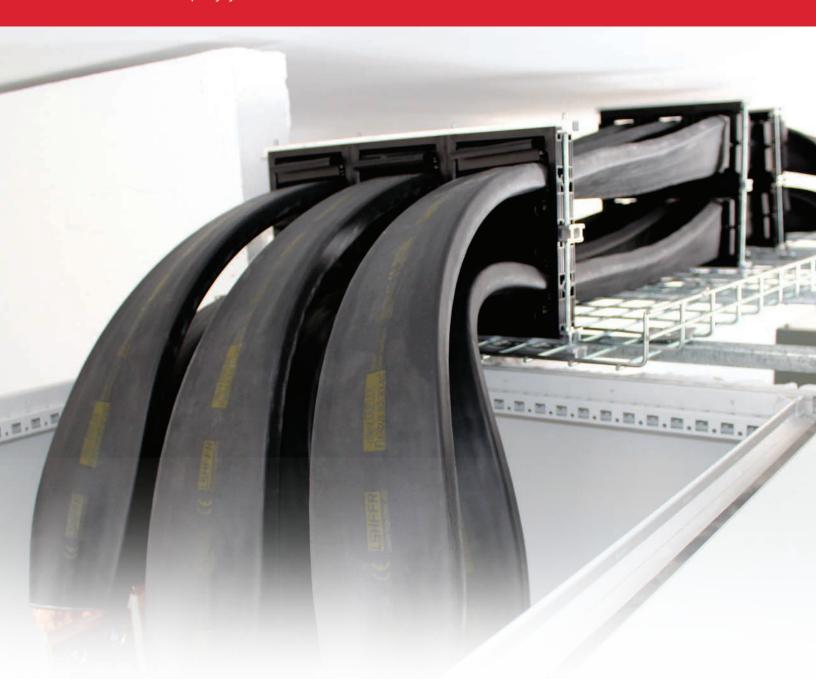


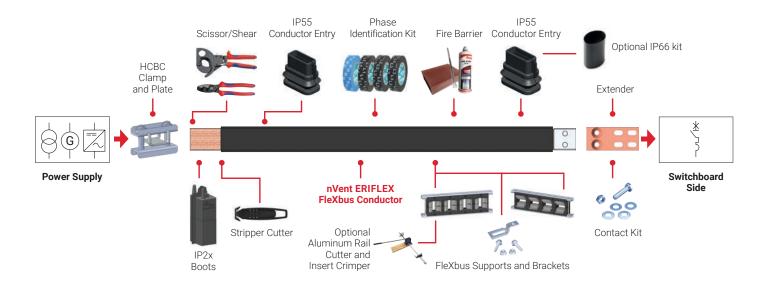
# nVent ERIFLEX FleXbus (North America)

Advanced Technology

Solution to Simplify your 300 A to 5500 A electrical connections



**nVent ERIFLEX FleXbus is an innovative and patented connection solution between two electrical equipment installations,** such as transformers, switchboards, generators or large uninterrupted power supplies (UPS). Due to its unique concept, nVent ERIFLEX FleXbus is an alternative power connection solution for up to 50% quicker installation and 20% reduction in total installed cost at a minimum.





## **OPERATING ADVANTAGE**

- Versatile, customizable, user friendly and no specific tool required. Attractive for short distances, up to 25 meters (27 yards)
- No specialized labor force necessary with a ready-to-use solution
- · Very flexible conductor with no bending radius to follow
- Achieve virtually any layout and overcome any imperfections that may be found on-site
- No cable tray necessary to support FleXbus Conductors



#### TIME SAVING

 Up to 50% quicker to install than busduct or wireway/cable tray with multiple cables and lugs



# **SPACE AND WEIGHT**

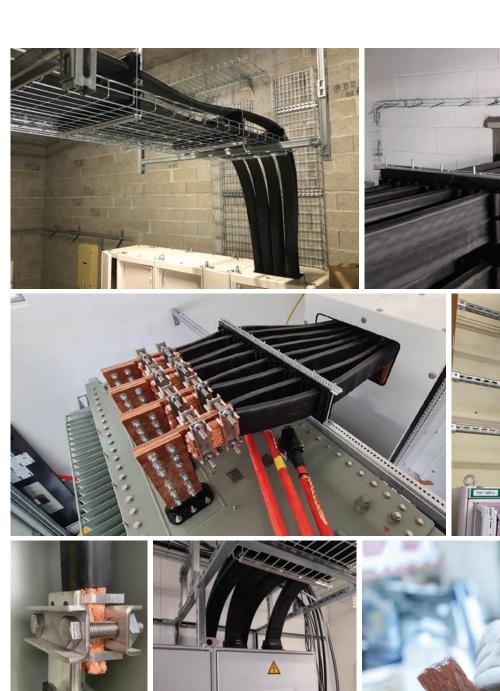
- At 480 V, usable as one conductor per phase from 300 kVA (360 A) to 1600 kVA (1925 A), or two conductors per phase for 1750 kVA (2100 A) to 3000 kVA (3600 A), or three conductors per phase for 3500 kVA (4200 A) to 4500 kVA (5400 A) when cable solution requires multiple conductors per phase.
- No need for specific engineering/study or strict installation measurement
- Total installation cost reduction of minimal 20%



### **RELIABILITY AND SAFETY**

- IEC / UL Recognized tested and certified
- Low smoke, halogen-free, flame retardant and high-temperature resistant







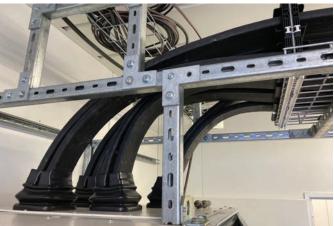








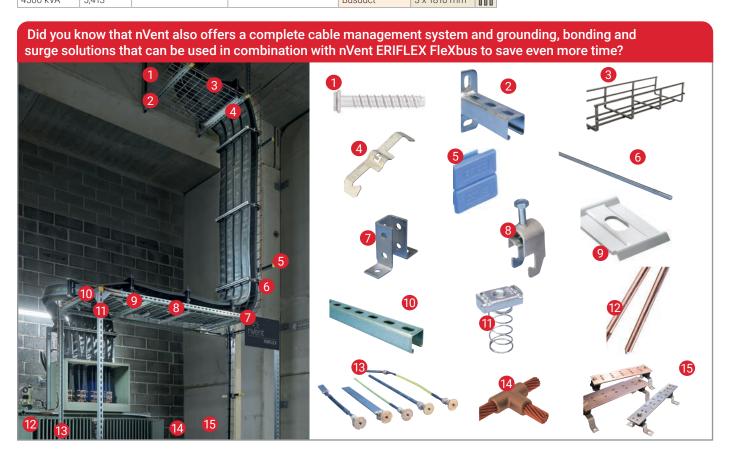






# nVent ERIFLEX FleXbus comparison with other solutions at 30°C (86°F) Ambient

HV/LV Transformer 480 V at secondary	Current LV - In (A)			AICH AICH								
		Typical usage Copper cable / phase	Typical usage Aluminum cable / phase	Typical power Busduct usage	FleXbus conductor / pha	ase	4500				(es	
300 kVA	361	1 x 4/0 AWG	1 x 300 kcmil	_	1 x 220 mm²			kVA			Flexbus Advanced 3 conductors er phase)	
500 kVA	601	1 x 400 kcmil	2 x 300 kcmil	-	1 x 220 mm²		4000 kVA 3500 kVA			Busduct	FleXI vdvar	
600 kVA	722	2 x 250 kcmil	2 x 400 kcmil	_	1 x 360 mm <sup>2</sup>						٠	
750 kVA	902	2 x 350 kcmil	3 x 350 kcmil	-	1 x 545 mm²		3000 kVA				phase)	
900 kVA	1,083	2 x 500 kcmil	3 x 500 kcmil		1 x 640 mm²		2500 kVA			Prefab	Xbus ance	
1000 kVA	1,203	3 x 400 kcmil	5 x 500 kcmil	-	1 x 960 mm²		1750 kVA			Ľ.	Flexbus Advanced conductors per pha	
1250 kVA	1,504	5 x 400 kcmil	6 x 500 kcmil	Busduct	1 x 960 mm²				/ Phase		(20	
1400 kVA	1,684	5 x 500 kcmil	-	Busduct	1 x 1280 mm²		1600 kVA		s/P			
1600 kVA	1,925	6 x 500 kcmil	_	Busduct	1 x 1810 mm²		1250 kVA	Ε	Cables		nced	
1750 kVA	2,105	7 x 500 kcmil	-	Busduct	2 x 640 mm <sup>2</sup>		1000 kVA	Multiple Aluminum Cables / Phase	Copper (		FleXbus Advanced (1 conductor per phase)	
2500 kVA	3,007	-	_	Busduct	2 x 960 mm <sup>2</sup>		750 1374	Alu s / P	တ္ပ		ducto	
3000 kVA	3,608	-	-	Busduct	2 x 1810 mm <sup>2</sup>		750 kVA	iple	ble		l Sil	
3500 kVA	4,210	-	_	Busduct	3 x 960 mm <sup>2</sup>		600 kVA	₹ E	Multiple		E -	
4000 kVA	4,811	-	_	Busduct	3 x 1280 mm <sup>2</sup>		500 kVA		2			
4500 kVA	5.413	_	_	Busduct	3 x 1810 mm <sup>2</sup>							





Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN ILSCO RAYCHEM SCHROFF**