

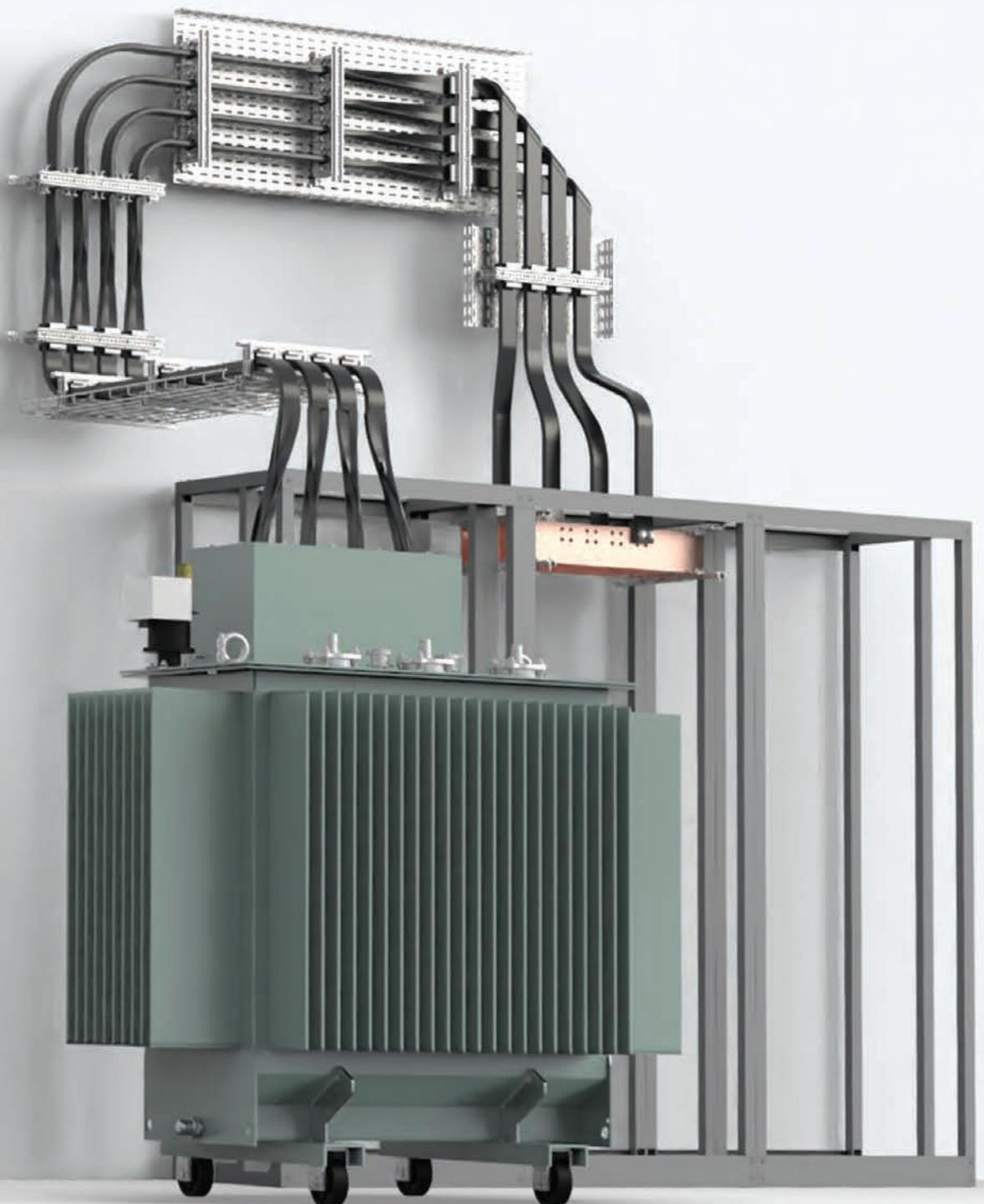
# FleXbus Corrosion-Resistant Support Kits

Designed for outdoor, marine, offshore, and other harsh-environment applications



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# 1. nVent ERIFLEX FleXbus System and Support Kits

**Electrical installations in harsh environments demand durable, reliable support solutions. nVent ERIFLEX FleXbus Corrosion-Resistant Support Kits are specifically designed for outdoor, marine, offshore, and other aggressive conditions, helping protect FleXbus power connections against corrosion while maintaining mechanical strength, safety, and long-term performance.**

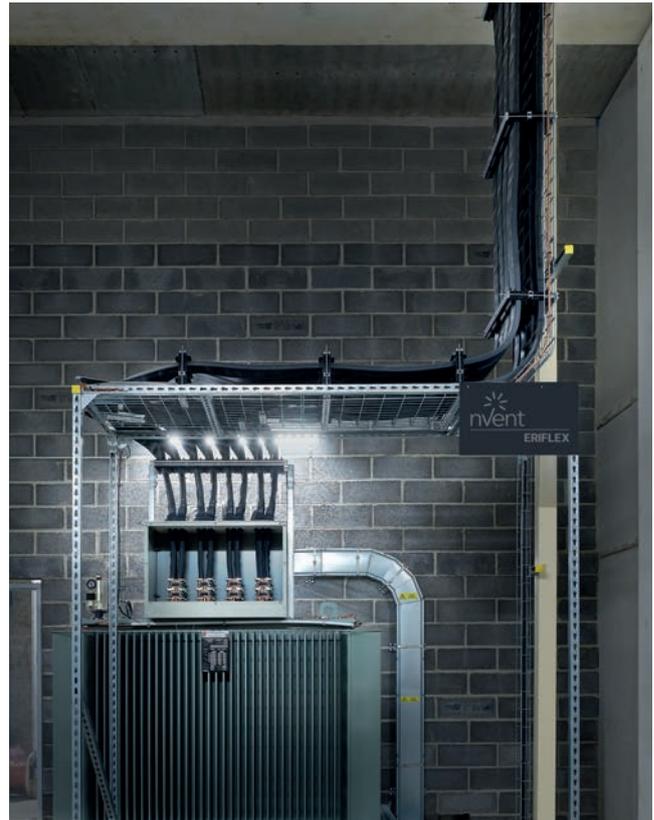
The **nVent ERIFLEX FleXbus System** is an innovative, patented low-voltage power connection solution for connecting electrical equipment such as transformers, switchboards, and generators. It offers a flexible and efficient alternative to traditional rigid busbar or cable systems, enabling faster installation and helping reduce total installed cost.

Designed for high reliability, FleXbus allows easy on-site customization without additional design studies, specialized labor, or expensive tools. Its inherent flexibility simplifies installation while maintaining consistent electrical and mechanical performance across applications including transformer-to-switchgear connections, transformer interconnections, generator connections, switchgear interconnections, and machine connections.

Advanced insulation technology is standard across the FleXbus range. All products are **low smoke, halogen-free, flame retardant (LSHFRR)** and rated for **high-temperature operation**, supporting enhanced safety, durability, and performance in demanding electrical environments.

The **nVent ERIFLEX FleXbus Support and Bracing System** is a versatile, user-friendly solution designed to securely support FleXbus conductors. Comprising modular support kits and aluminum profiles, it accommodates multiple conductor configurations—including flat or on-edge, side-by-side, or stacked—and can be mounted to cable trays, walls, or ceilings for installation flexibility.

Short-circuit tested for mechanical strength, the system is engineered to withstand electromagnetic forces during fault conditions. It supports multiple neutral systems, including **3P, 3P+N, and 3P+N+PE**, and allows easy routing for phase inversion or neutral rotation, ensuring adaptability across a wide range of applications.



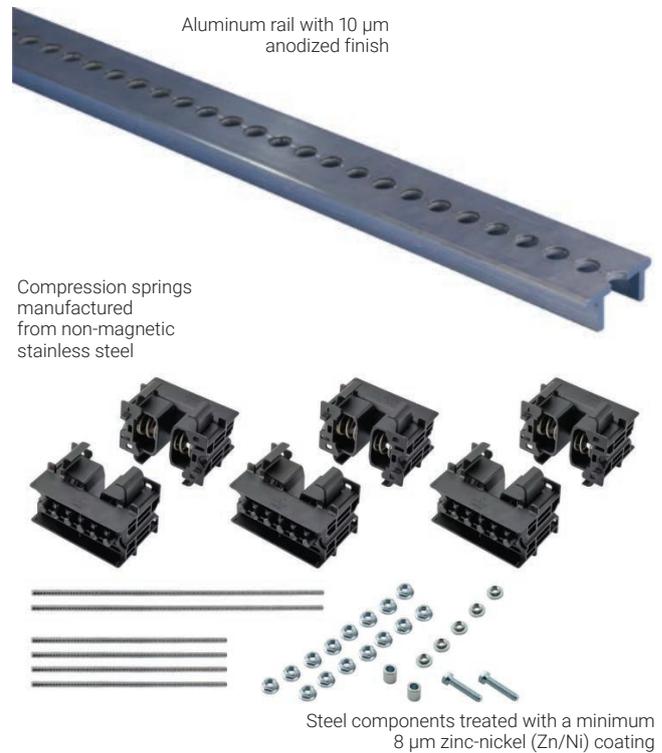
## 2. Corrosion-Resistant Supports for Outdoor and Harsh Environments

Electrical connections are installed across a wide range of environments. When the **nVent ERIFLEX Flexbus System** is used outdoors or exposed to harsh conditions, such as humidity, salt spray, or marine and offshore atmospheres, corrosion-resistant supports are essential to ensure long-term performance and reliability.

These corrosion-resistant Flexbus support kits are specifically designed to protect installations in aggressive environments and feature:

- 10 µm anodized aluminum rails
- Threaded rods, inserts, bolts, and spacers with a minimum 8 µm zinc-nickel (Zn/Ni) surface treatment
- **Non-magnetic stainless steel compression springs**, consistent with the standard version

All components have been tested and certified for **720 hours of salt spray exposure** in accordance with **ISO 9227**, providing proven corrosion resistance for outdoor, marine, offshore, and other demanding applications.



### UNTREATED HARDWARE

Before test

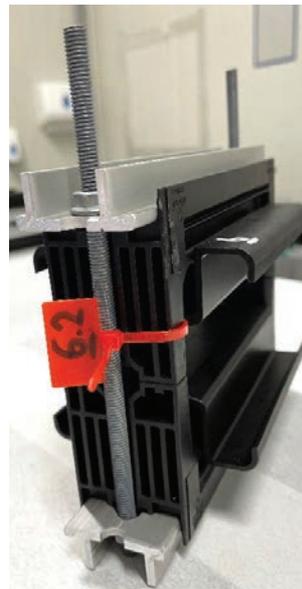


After Salt spray test (720 H)

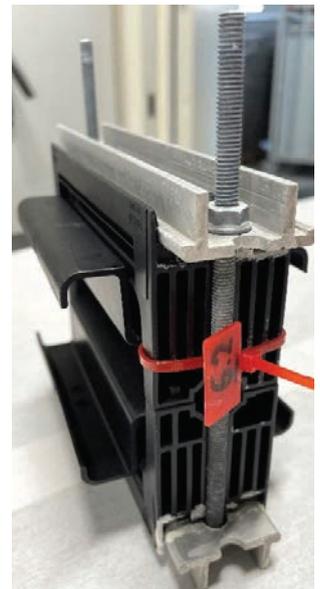


### CORROSION-TREATED FLEXBUS SUPPORT

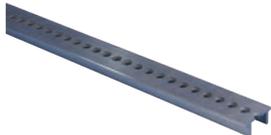
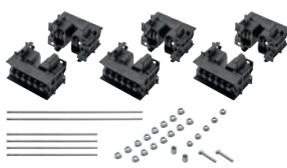
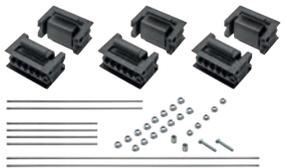
Before test



After Salt spray test (720 H)



### 3. Part Numbers and Packaging

	Part Number	Global part Number	Description	Packing unit pc	Weight kg
	508700	FLEXALPROFCR2M	FleXbus Aluminum Perforated Profile 2 Meters, Corrosion-Resistant	4	0.9
	508701	FLEXSCREDDG50T	FleXbus Sup kit on Edge for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P, Corrosion-Resistant	1	1.244
	508703	FLEXSCREDDG100T	FleXbus Sup kit on Edge for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P, Corrosion-Resistant	1	1.52
	508702	FLEXSCREDDG50TN	FleXbus Sup kit on Edge for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	1	1.326
	508704	FLEXSCREDDG100TN	FleXbus Sup kit on Edge for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	1	2.003
	508705	FLEXSCRFLA50T	FleXbus Sup kit Flat for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P, Corrosion-Resistant	1	1.298
	508707	FLEXSCRFLA100T	FleXbus Sup kit Flat for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P, Corrosion-Resistant	1	1.96
	508706	FLEXSCRFLA50TN	FleXbus Sup kit Flat for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	1	1.645
	508708	FLEXSCRFLA100TN	FleXbus Sup kit Flat for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	1	2.306

## 4. Cross-Reference Between Standard and Corrosion-Resistant Versions

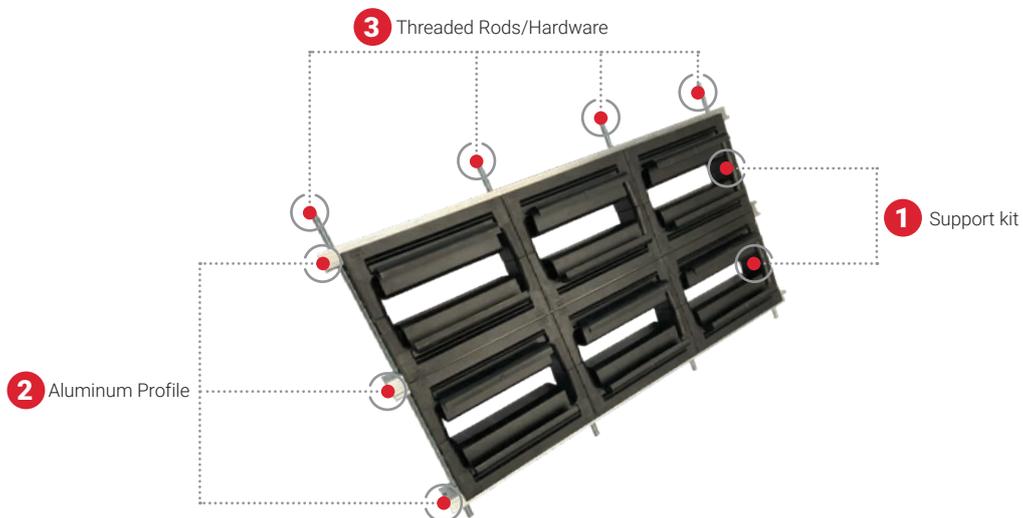
### 4. CROSS-REFERENCE BETWEEN STANDARD AND CORROSION-RESISTANT VERSIONS

Corrosion Resistant Version			Standard Version		
Part Number	Global Part Number	Description	Part Number	Global Part Number	Description
508700	FLEXALPROFCR2M	FleXbus Aluminum Perforated Profile 2 Meters, Corrosion-Resistant	508100	FLEXALPROF2M	FleXbus Aluminum Perforated Profile 2 Meter
508701	FLEXSCREDG50T	FleXbus Sup kit on Edge for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P, Corrosion-Resistant	508101	FLEXSUPEDG50T	FleXbus Support kit on Edge for Conductor 220, 360, 545 and 640 mm <sup>2</sup> , 3 Poles
508702	FLEXSCREDG50TN	FleXbus Sup kit on Edge for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	508102	FLEXSUPEDG50TN	FleXbus Support kit on Edge for Conductor 220, 360, 545 and 640 mm <sup>2</sup> , 3 Poles + Neutral
508703	FLEXSCREDG100T	FleXbus Sup kit on Edge for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P, Corrosion-Resistant	508103	FLEXSUPEDG100T	FleXbus Support kit on Edge for Conductor 800, 960, 1280 and 1810 mm <sup>2</sup> , 3 Poles
508704	FLEXSCREDG100TN	FleXbus Sup kit on Edge for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	508104	FLEXSUPEDG100TN	FleXbus Support kit on Edge for Conductor 800, 960, 1280 and 1810 mm <sup>2</sup> , 3 Poles + Neutral
508705	FLEXSCRFLA50T	FleXbus Sup kit Flat for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P, Corrosion-Resistant	508105	FLEXSUPFLA50T	FleXbus Support kit Flat for Conductor 220, 360, 545 and 640 mm <sup>2</sup> , 3 Poles
508706	FLEXSCRFLA50TN	FleXbus Sup kit Flat for Cond 220, 360, 545, 640 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	508106	FLEXSUPFLA50TN	FleXbus Support kit Flat for Conductor 220, 360, 545 and 640 mm <sup>2</sup> , 3 Poles + Neutral
508707	FLEXSCRFLA100T	FleXbus Sup kit Flat for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P, Corrosion-Resistant	508107	FLEXSUPFLA100T	FleXbus Support kit Flat for Conductor 800, 960, 1280 and 1810 mm <sup>2</sup> , 3 Poles
508708	FLEXSCRFLA100TN	FleXbus Sup kit Flat for Cond 800, 960, 1280, 1810 mm <sup>2</sup> , 3P+N, Corrosion-Resistant	508108	FLEXSUPFLA100TN	FleXbus Support kit Flat for Conductor 800, 960, 1280 and 1810 mm <sup>2</sup> , 3 Poles + Neutral

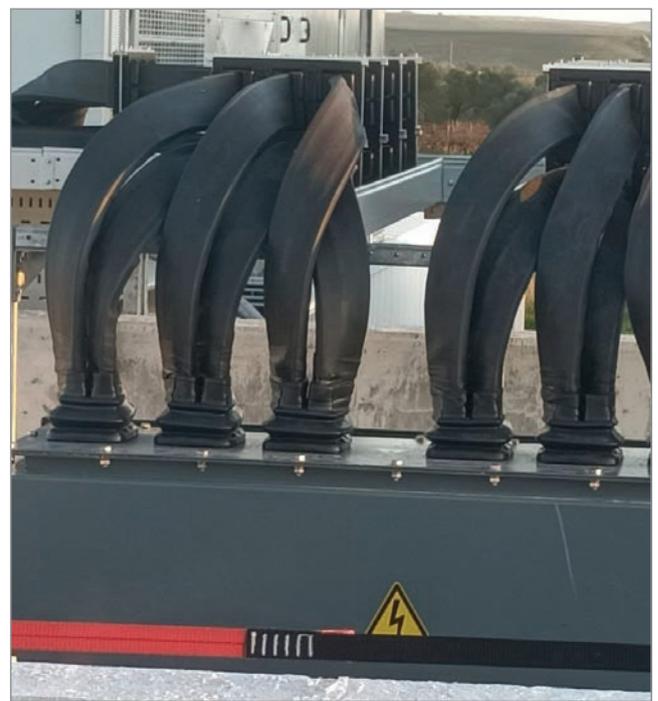


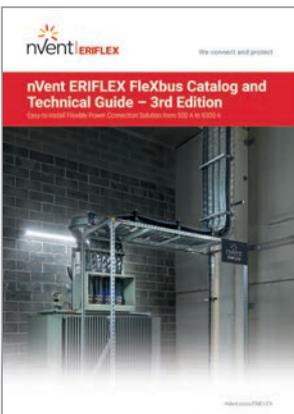
# 5. Corrosion-Resistant Support Kit – Technical Specifications

		FleXbus Corrosion-Resistant Support Kit
<b>1 Support Kit</b>	<b>Material</b>	Glass Fiber Reinforced Polyamide
	<b>Working Temperature</b>	-40 to 130°C
	<b>Flammability Rating</b>	UL® 94V-0 IEC® 60695-2-12 (Glow Wire Test 960°C)
	<b>Dielectric Strength, UL</b>	1,500 VAC/DC
	<b>Dielectric Strength, IEC 61439.1</b>	3,500 VAC @ 1 min
	<b>Insulation Voltage</b>	1,000 VAC; 1,500 VDC IEC
	<b>Halogen Free Rating</b>	IEC® 60754-1
	<b>Low Smoke Rating</b>	ISO 5659-2
<b>2 Aluminum Profile</b>	<b>Material</b>	Aluminum
	<b>Finish</b>	Anodized 10 µm
	<b>Corrosion Rating</b>	ISO 9227 (Salt Sray test 720 Hours)
<b>3 Threaded Rods/Hardware</b>	<b>Material</b>	Steel
	<b>Finish</b>	8 µm min zinc-nickel (Zn/Ni) treated
	<b>Corrosion Rating</b>	ISO 9227 (Salt Sray test 720 Hours)
<b>Installation Usage</b>	<b>Complies With</b>	IEC® 61439.1 IEC® 61914 CE RoHS
	<b>International</b>	IEC 60364
	<b>Europe</b>	HD384
	<b>National</b>	AS 3008
		ÔNORM
		RGIE - AREI
		NBR 5410
		CSN
		NFC 15-100
		DIN VDE 0100
CEI 64-8		
NEN 1010		
NP (2002)		
REBT		
NIBT-NIN		
BS 7671		
SS 436 40 00		



## 6. Flexbus Applications – Outdoor Installations

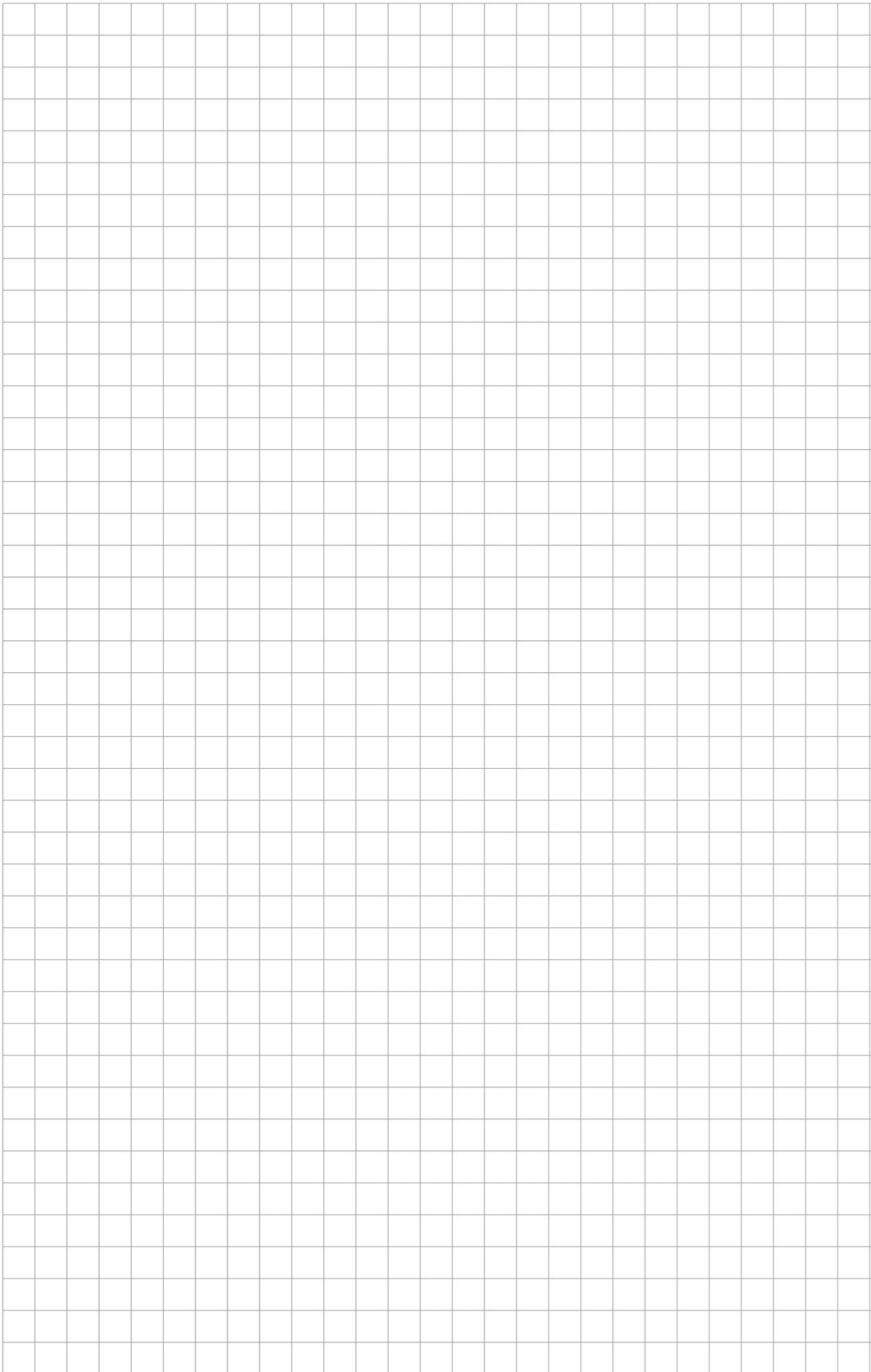


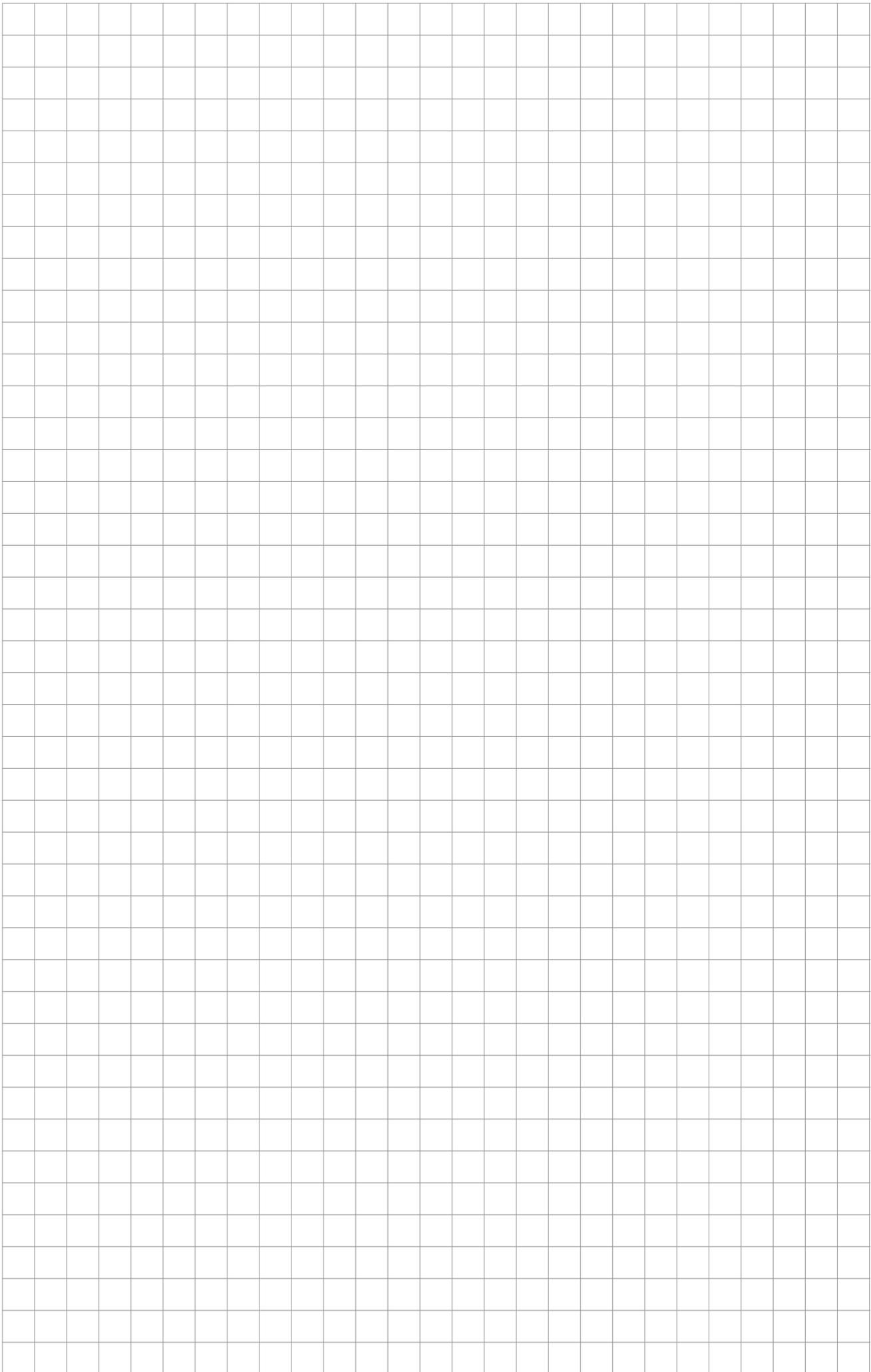


### More Technical Information

All other technical data is consistent across the entire Flexbus conductor range.

[nVent ERIFLEX Flexbus Catalogue and Technical Guide](#)





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