Discover our nVent ERIFLEX IBS/IBSB Advanced

nVent ERIFLEX

SALES GUIDE

GOAL

Educate end-users on benefits of the new nVent ERIFLEX IBS/IBSB Advanced, a ready-to-use conductor that improves safety for people and electrical equipment. nVent ERIFLEX IBS/IBSB Advanced is a low-voltage power conductor for applications from 80A up to 630A. nVent ERIFLEX provides a unique insulation that is low-smoke, halogen-free and flame retardant, made with a high-temperature resistant tinned material that offers the flexibility and reliability of nVent ERIFLEX IBS/IBSB.

AUDIENCE

- Panel builders
- OEMs
- Contractors
- Specifiers

REPLACES

- nVent ERIFLEX IBS/IBSB/IBSBR Advanced (standard PVC)
- Traditional cable and crimp lug solution

APPLICATIONS

- Rail & transit
- Data center
- Power conversion
- Mining
- Marine
- Telecom

WHAT'S IN IT FOR THEM

1 UNIQUE INSULATION

The new insulation is a high-temperature resistant, low-smoke, halogen-free and flame-retardant compound.

2 QUICK AND READY TO INSTALL

- Off-the-shelf solution; no cutting, stripping or crimping needed
- Weighs less than cable and lugs
- Designed to connect to a range of molded case circuit breakers
- Higher skin effect

3 IMPROVE RELIABILITY

- Resistance to vibrations
- Integral palm for excellent electrical contact with no additional lugs
- Tinned plated
- No crimping

KEY BENEFITS

nVent ERIFLEX IBS/IBSB Advanced optimizes your electrical design, reduces installation cost thanks to its flexibility, and improves reliability and the safety of your electrical installation.

Unique solution compliant with the main international standards:

- ✓ Low Smoke Rating: UL® 2885 IEC® 61034-2 ISO 5659-2
- ✓ Flammability Rating: UL® 94V-0 IEC® 60695-2-12 (Glow Wire Test 960 °C)
- ✓ Halogen Free Rating: UL® 2885 IEC® 60754-1 IEC® 62821-2
- ✓ UV Resistance: UL 854
- ✓ UL® 67
- ✓ UL® 758
- ✓ CSA 90005
- ✓ IEC® 61439.1 Class II
- ✓ CE
- ✓ RoHS
- ✓ Bureau Veritas – Marine and Offshore Division - for the Classification of Steel Ships and according IEC 60092 (Electrical installations on ships)

GO-TO MARKET INFORMATION

Video

CLICK HERE

Enroll in the Training Module

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Contact your local sales reps

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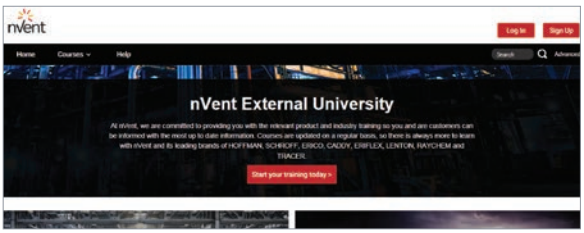
TOOLS & RESOURCES

Website

Catalog


Cross reference table

Technical Handbook



Training Module

CIRCUIT BREAKER COMPATIBILITY

Circuit Breaker Current Rating	125/160 A		250 A		300 A	350 A	400 A	500 A	630 A
Insulated Braided Conductor Type	**IBSB ADV 25x**	**IBS ADV 25x**	**IBSB ADV 50x**	**IBS ADV 50x**	**IBSB ADV 70x**	**IBSB ADV 100x**	**IBSB ADV 120x**	**IBSB ADV 185x**	**IBSB ADV 240x**
Schneider Electric Compact (IEC)	NSA NG 125	NSX 100 NSX 160	NSX 250	NSX 250	NSX 400	NSX 400	NSX 400	NSX 630	NSX 630
Square D PowerPact (UL)	H-Frame	J-Frame	J-Frame	J-Frame	L-Frame	L-Frame	L-Frame	–	–
ABB Tmax (IEC)	T1 T2 XT1 XT2	–	T3 XT3 XT4	T3 XT3 XT4	T4	T4	T5	T5	T5
ABB Tmax (UL)	T1 T2 XT1 XT2	T3	T4 XT3 XT4	T4 XT3 XT4	T5	T5	T5	–	–
GE Record Plus (IEC/UL)	FD 160	FE 160	FE 250	FE 250	FG 400	FG 400	FG 400	FG 630	FG 630
Siemens Sentron (IEC/UL)	VL160X 3VL1 VL160 3VL2	–	VL250 3VL3	VL250 3VL3	VL400 3VL4	VL400 3VL4	VL400 3VL4	–	–
Moeller xEnergy (IEC)	NZM1		NZM2	NZM2	NZM3	NZM3	NZM3	NZM3	NZM3
Cutler Hammer Series G (UL)	EG Frame	JG Frame	JG Frame	JG Frame	LG Frame	LG Frame	LG Frame	LG Frame	LG Frame
Legrand (IEC)	DPX 160 DPX3 160	–	DPX 250 DPX3 250	DPX 250 DPX3 250	DPX 630	DPX 630	DPX 630	DPX 630	DPX 630
Hager (IEC)	h3 160	–	h3 250	h3 250	h3 630	h3 630	–	–	–
Rockwell/Allen Bradley (UL)	G-Frame H-Frame	–	I-Frame J-Frame	I-Frame J-Frame	I-Frame J-Frame	–	K-Frame	K-Frame	–
Mitsubishi Electric (IEC)	–	NF125 NF160 DSN125 DSN160	NF250 DSN250	NF250 DSN250	–	NF400 DSN400	–	–	–
OEZ (IEC)	BC160N	–	BD250N BD250S	BD250N BD250S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S

This table does not take into account some specific installation environment, like ambient temperature, protection level of enclosure, altitude, frequency.

Some MCCB may need more important cross section in function of the MCCB Power dissipation. In some case, increase the IBS & IBSB Advanced cross section may be necessary to support MCCB heating dissipation. It is therefore necessary to respect the instructions provided by the electrical device manufacturer.

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER