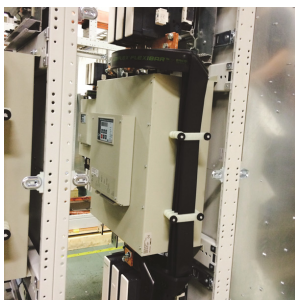
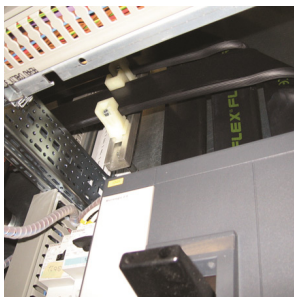
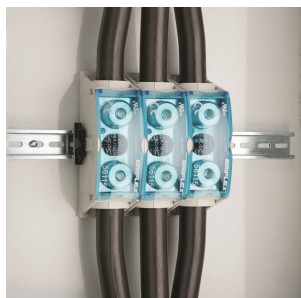
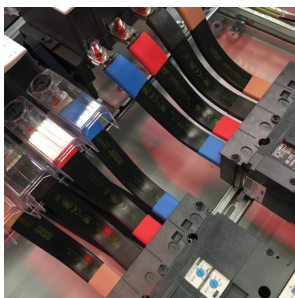


LOW VOLTAGE POWER AND GROUNDING CONNECTIONS

FEATURED PRODUCTS



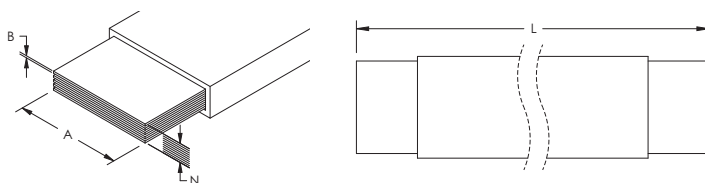
For more information
Call 0800 367 229 | sales@colterlec.co.nz | www.colterlec.co.nz

nVent ERIFLEX Flexibar Advanced, Tinned Copper



After extensive research, nVent ERIFLEX is proud to establish a new gold standard in terms of insulation for flexible busbar called nVent ERIFLEX Flexibar Advanced. The new product is low smoke, halogen-free and flame retardant all while maintaining the level of flexibility and reliability that our partners have come to expect from nVent ERIFLEX Flexibar. Compared to standard PVC insulation, nVent ERIFLEX Flexibar Advanced does not generate corrosive gases and produces a relatively low smoke opacity in accordance with ISO 5659-2. The low smoke characteristic improves the visibility conditions for people to be able to easily locate the emergency exit and also allows rescue workers to assess an emergency situation more clearly. nVent ERIFLEX Flexibar Advanced means greater safety for individuals, less damage for your electrical equipment and less environmental impact. The halogen-free feature enables a reduction in the quantity of toxic smoke. nVent ERIFLEX Flexibar Advanced does not contain any halogens, according to IEC 60754-1, minimizing toxicity and making it the ideal product for use in enclosed spaces such as data centers, rail and other spaces where people are welcome such as hospitals and schools. This also facilitates the use of nVent ERIFLEX Flexibar Advanced in specific applications such as submarines, switchboards and other enclosed environments that require a low emissions solution. In addition to being halogen-free, nVent ERIFLEX Flexibar Advanced is also compliant with the UL 94-V0 testing standard. The flame retardant portion of the test illustrates the self-extinguish feature. This superior feature of nVent ERIFLEX Flexibar Advanced is also shown by the Limiting Oxygen Index (LOI) at 30%. In case of fire, ERIFLEX Flexibar Advanced generates a limited quantity of smoke that is less damaging to your electrical equipment.

- Thin layers of tinned electrolytic copper formed into a stack
- Full range from 19.5 mm² up to 1200 mm² and 125 A to 2800 A
- Insulated by high-resistance, halogen free, flame retardant and low smoke material with less than 20% contact with conductor for high flexibility
- Easily bent, folded, and twisted, improving assembly flexibility, shortening connections, and decreasing footprint
- Dramatically smaller and more flexible than comparable cable based on ampacity
- Better power density than cable with lower skin effect ratio
- Connections made by punching and bolting directly through the copper laminates or clamping onto the end of the nVent ERIFLEX Flexibar
- No lugs needed, reducing installation time and improving resistance to vibration
- Weight savings and material savings compared to wire alternatives
- Reduces total installation cost
- Traceability codes and designation part numbers printed on insulation
- Conforms to NF EN 45545 obtaining an HL3 classification for chapters R22 and R23
- 100% production dielectric tested
- RoHS compliant
- Tinned copper allows for copper or aluminum conductor connections
- On request, can be manufactured with other colors (typically with Orange sleeve for battery connection)
- Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations



Finish: Tinned
 Material: Copper, Thermoplastic Elastomer
 Dielectric Strength: 20 kV/mm
 Flammability Rating: UL® 94V-0
 Halogen Free Rating: UL® 2885, IEC® 60754-1, IEC® 62821-1
 Low Smoke Rating: IEC® 61034-2, ISO 5659-2, UL® 2885
 Smoke, Toxicity and Acidity Rating: IEC® 60754-2
 UV Resistance Rating: UL® 854, UL® 2556
 Insulation Elongation: 500 %
 Insulation Thickness: 1.8 mm
 Max Working Voltage, EN 50264-3-1: 6,000 VAC/DC
 Max Working Voltage, UL/CSA/IEC: 1,000 VAC, 1,500 VDC
 Working Temperature: -50 to 115 °C
 Complies With: IEC® 60695-2-11 (Glow Wire Test 960 °C),
 IEC® 61439.1, IEC® 61439.1 Class II



Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
Typical Application Current Rating: 125 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC3X9	534001	120	134	147	3	9.0	0.8	21.6	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X6	534000	143	166	182	8	6.0	0.5	24.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC3X13	534004	150	167	184	3	13.0	0.5	19.5	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC2X15-5	534006	191	212	234	2	15.5	0.8	24.8	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X9	534002	220	245	269	6	9.0	0.8	43.2	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 250 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC6X13	534005	226	253	277	6	13.0	0.5	39.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC9X9	534003	237	265	291	9	9.0	0.8	64.8	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											EAC, RoHS, UL
FADV2MTC2X20X1	534010	246	275	300	2	20.0	1.0	40.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X15-5	534007	286	320	350	4	15.5	0.8	49.6	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC3X20X1	534011	323	360	395	3	20.0	1.0	60.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC2X24X1	534016	340	380	416	2	24.0	1.0	48.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 250 A – Length: 3,000 mm – Certification Details: UL® 67, UL® 758											
FADV3MTC2X20X1	534110	246	275	300	2	20.0	1.0	40.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC3X20X1	534111	323	360	395	3	20.0	1.0	60.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC2X24X1	534116	340	380	416	2	24.0	1.0	48.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 400 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC4X20X1	534012	360	402	440	4	20.0	1.0	80.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X15-5	534008	360	402	440	6	15.5	0.8	74.4	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC2X32X1	534023	363	406	445	2	32.0	1.0	64.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											cURus, EAC, RoHS, UL
FADV2MTC3X24X1	534017	370	413	453	3	24.0	1.0	72.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC5X20X1	534013	376	420	460	5	20.0	1.0	100.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC2X40X1	534030	406	455	500	2	40.0	1.0	80.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X15-5	534009	407	455	498	10	15.5	0.8	124.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X20X1	534014	413	462	506	6	20.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X24X1	534018	416	465	510	4	24.0	1.0	96.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC3X32X1	534024	430	480	525	3	32.0	1.0	96.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 400 A – Length: 3,000 mm – Certification Details: UL® 67, UL® 758											
FADV3MTC4X20X1	534112	360	402	440	4	20.0	1.0	80.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC2X32X1	534123	363	406	445	2	32.0	1.0	64.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC3X24X1	534117	370	413	453	3	24.0	1.0	72.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											cURus, EAC, RoHS, UL
FADV3MTC5X20X1	534113	376	420	460	5	20.0	1.0	100.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC6X20X1	534114	413	462	506	6	20.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC4X24X1	534118	416	465	510	4	24.0	1.0	96.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC3X32X1	534124	430	480	525	3	32.0	1.0	96.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 500 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC5X24X1	534019	460	514	563	5	24.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC3X40X1	534031	466	522	570	3	40.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X32X1	534025	490	548	600	4	32.0	1.0	128.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X24X1	534020	506	566	620	6	24.0	1.0	144.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC3X50X1	534037	530	592	650	3	50.0	1.0	150.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X40X1	534032	550	615	673	4	40.0	1.0	160.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											cURus, EAC, RoHS, UL
Typical Application Current Rating: 500 A – Length: 3,000 mm – Certification Details: UL® 67, UL® 758											
FADV3MTC5X24X1	534119	460	514	563	5	24.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC3X40X1	534131	466	522	570	3	40.0	1.0	120.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC4X32X1	534125	490	548	600	4	32.0	1.0	128.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC6X24X1	534120	506	566	620	6	24.0	1.0	144.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC3X50X1	534137	530	592	650	3	50.0	1.0	150.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 630 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC5X32X1	534026	573	640	702	5	32.0	1.0	160.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X20X1	534015	576	645	706	10	20.0	1.0	200.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X24X1	534021	606	678	743	8	24.0	1.0	192.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X32X1	534027	640	715	783	6	32.0	1.0	192.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X50X1	534038	650	727	795	4	50.0	1.0	200.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											CSA, cURus, EAC, RoHS, UL
FADV2MTC5X40X1	534033	680	760	832	5	40.0	1.0	200.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 630 A – Length: 3,000 mm – Certification Details: UL® 67, UL® 758											
FADV3MTC5X32X1	534126	573	640	702	5	32.0	1.0	160.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC6X32X1	534127	640	715	783	6	32.0	1.0	192.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC4X50X1	534138	650	727	795	4	50.0	1.0	200.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 800 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC10X24X1	534022	716	800	877	10	24.0	1.0	240.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC4X63X1	534044	763	855	935	4	63.0	1.0	252.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X40X1	534034	770	860	943	6	40.0	1.0	240.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X32X1	534028	770	860	943	8	32.0	1.0	256.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC5X50X1	534039	830	930	1,016	5	50.0	1.0	250.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
Typical Application Current Rating: 800 A - Length: 3,000 mm - Certification Details: UL® 67, UL® 758											
FADV3MTC6X40X1	534134	770	860	943	6	40.0	1.0	240.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC8X32X1	534128	770	860	943	8	32.0	1.0	256.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV3MTC5X50X1	534139	830	930	1,016	5	50.0	1.0	250.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 1,000 A - Length: 2,000 mm - Certification Details: UL® 67, UL® 758											
FADV2MTC4X80X1	534049	906	1,015	1,110	4	80.0	1.0	320.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC5X63X1	534045	920	1,030	1,125	5	63.0	1.0	315.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X50X1	534040	925	1,035	1,135	6	50.0	1.0	300.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X40X1	534035	930	1,040	1,140	8	40.0	1.0	320.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X32X1	534029	930	1,040	1,140	10	32.0	1.0	320.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC5X80X1	534050	1,050	1,175	1,285	5	80.0	1.0	400.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X50X1	534041	1,050	1,175	1,290	8	50.0	1.0	400.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											EAC, RoHS, UL
FADV2MTC10X40X1	534036	1,055	1,181	1,295	10	40.0	1.0	400.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X63X1	534046	1,085	1,215	1,330	6	63.0	1.0	378.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 1,250 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC6X80X1	534051	1,230	1,375	1,505	6	80.0	1.0	480.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC5X100X1	534055	1,235	1,385	1,515	5	100.0	1.0	500.0	1.60	2.02	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X63X1	534047	1,245	1,395	1,525	8	63.0	1.0	504.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X50X1	534042	1,245	1,395	1,525	10	50.0	1.0	500.0	1.72	2.25	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC6X100X1	534056	1,393	1,550	1,705	6	100.0	1.0	600.0	1.60	2.02	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus, EAC, RoHS, UL
Typical Application Current Rating: 1,600 A – Length: 2,000 mm – Certification Details: UL® 67											
FADV2MTC12X100	534059	1,890	2,115	2,315	12	100.0	1.0	1,200.0	1.60	2.02	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, cURus, EAC, RoHS, UL
FADV2MTC10X120	534060	2,070	2,330	2,550	10	120.0	1.0	1,200.0	1.49	1.95	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, EAC, UL
Typical Application Current Rating: 1,600 A – Length: 2,000 mm – Certification Details: UL® 67, UL® 758											
FADV2MTC8X80X1	534052	1,430	1,600	1,755	8	80.0	1.0	640.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEXADV, CSA, cURus,

Part Number	Article Number	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	N	A (mm)	B (mm)	Cross Section (mm ²)	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
											EAC, RoHS, UL
FADV2MTC10X63X1	534048	1,435	1,600	1,755	10	63.0	1.0	630.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEX ADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X80X1	534053	1,585	1,775	1,945	10	80.0	1.0	800.0	1.65	2.12	ABS, Bureau Veritas, CE, ERIFLEX FLEX ADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC8X100X1	534057	1,625	1,815	1,990	8	100.0	1.0	800.0	1.60	2.02	ABS, Bureau Veritas, CE, ERIFLEX FLEX ADV, CSA, cURus, EAC, RoHS, UL
FADV2MTC10X100	534058	1,775	1,985	2,170	10	100.0	1.0	1,000.0	1.60	2.02	ABS, Bureau Veritas, CE, ERIFLEX FLEX ADV, CSA, cURus, EAC, RoHS, UL

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

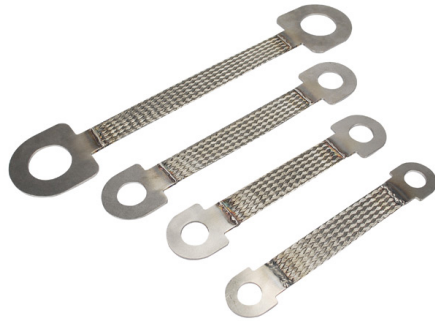
ΔT = Temperature of conductors – Internal temperature of panel.

Refer to technical documentation for additional ampacity ratings.

Grounding and Bonding Braids



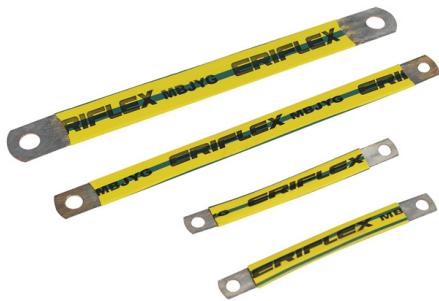
CPI Grounding and Bonding Braid, Stainless Steel



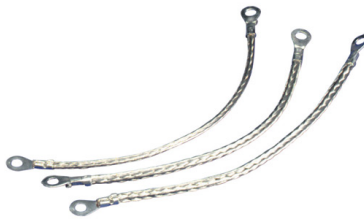
CPIW Grounding and Bonding Braid, Stainless Steel for Large Bolts



MBJ Grounding and Bonding Braid, Tinned Copper



MBJYG Grounding and Bonding Braid, Tinned Copper, Halogen Free



BJ Round Braid with Crimped Lugs



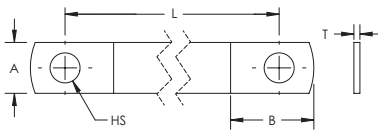
Braids in Coils

MBJ Grounding and Bonding Braid, Tinned Copper



MBJ Grounding and Bonding Braids are a reliable and convenient grounding solution for applications that require flexibility and durability. The tinned copper ground braids with massivated palms come ready to install without any additional cutting, stripping, crimping or punching and do not require the addition of tin or crimped lugs. The proprietary manufacturing process optimizes the electrical contact between each wire and helps eliminate moisture issues in the palms, preventing corrosion and lengthening the useful life of the braid.

- Complete range of earth/ground flexible connections from 6 - 100 mm² (11.84 - 197.35 kcmil) cross section and from 100 - 500 mm (3.937" - 19.685") length
- Integral palm, without tin or crimped lugs for superior electrical contact and tensile strength resistance
- Resistant to vibration and fatigue, reducing maintenance
- Provides weight savings, material savings and lower impedance when compared to similar lugged cables with insulation
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Recommended by the EMC/EMI directives and less impedance than cables
- EAC compliant
- RoHS compliant
- Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations



Material: Copper

Finish: Tinned

Working Temperature: 105 °C Max

Certification Details: UL® 467

Complies With: IEC® 60439.1, IEC® 61439.1



Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight	Certifications
MBJ6-150-6	556600	40 A	1.1 mm	6 mm ²	150 mm	6.5 mm	11 mm	18.0 mm	0.010 kg	Bureau Veritas cULus, RoHS
MBJ6-200-6	563410	40 A	1.1 mm	6 mm ²	200 mm	6.5 mm	11 mm	18.0 mm	0.017 kg	Bureau Veritas cULus, RoHS
MBJ10-200-6	556930	75 A	1.1 mm	10 mm ²	200 mm	6.5 mm	11 mm	18.0 mm	0.022 kg	Bureau Veritas cULus, RoHS
MBJ10-300-6	556610	75 A	1.1 mm	10 mm ²	300 mm	6.5 mm	11 mm	18.0 mm	0.033 kg	Bureau Veritas cULus, RoHS

Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight	Certifications
MBJ16-100-6	563540	120 A	1.5 mm	16 mm ²	100 mm	6.5 mm	15 mm	20.0 mm	0.018 kg	Bureau Veritas cULus, RoHS
MBJ16-100-8	556620	120 A	1.5 mm	16 mm ²	100 mm	8.5 mm	15 mm	20.0 mm	0.018 kg	Bureau Veritas cULus, RoHS
MBJ16-150-6	563550	120 A	1.5 mm	16 mm ²	150 mm	6.5 mm	15 mm	20.0 mm	0.035 kg	Bureau Veritas cULus, RoHS
MBJ16-150-8	556630	120 A	1.5 mm	16 mm ²	150 mm	8.5 mm	15 mm	20.0 mm	0.035 kg	Bureau Veritas cULus, RoHS
MBJ16-200-6	563300	120 A	1.5 mm	16 mm ²	200 mm	6.5 mm	15 mm	20.0 mm	0.033 kg	Bureau Veritas cULus, RoHS
MBJ16-200-8	556640	120 A	1.5 mm	16 mm ²	200 mm	8.5 mm	15 mm	20.0 mm	0.033 kg	Bureau Veritas cULus, RoHS
MBJ16-250-8	556650	120 A	1.5 mm	16 mm ²	250 mm	8.5 mm	15 mm	20.0 mm	0.040 kg	Bureau Veritas cULus, RoHS
MBJ16-300-6	563320	120 A	1.5 mm	16 mm ²	300 mm	6.5 mm	15 mm	20.0 mm	0.050 kg	Bureau Veritas cULus, RoHS
MBJ16-300-8	556660	120 A	1.5 mm	16 mm ²	300 mm	8.5 mm	15 mm	20.0 mm	0.050 kg	Bureau Veritas cULus, RoHS
MBJ16-500-8	556940	120 A	1.5 mm	16 mm ²	500 mm	8.5 mm	15 mm	20.0 mm	0.082 kg	Bureau Veritas cULus, RoHS
MBJ25-100-10	556670	150 A	1.9 mm	25 mm ²	100 mm	10.5 mm	20 mm	28.0 mm	0.027 kg	Bureau Veritas cULus, RoHS
MBJ25-150-10	556680	150 A	1.9 mm	25 mm ²	150 mm	10.5 mm	20 mm	28.0 mm	0.039 kg	Bureau Veritas cULus, RoHS
MBJ25-200-6	563340	150 A	1.9 mm	25 mm ²	200 mm	6.5 mm	20 mm	28.0 mm	0.052 kg	Bureau Veritas cULus, RoHS
MBJ25-200-8	555200	150 A	1.9 mm	25 mm ²	200 mm	8.5 mm	20 mm	28.0 mm	0.052 kg	Bureau Veritas cULus
MBJ25-200-10	556690	150 A	1.9 mm	25 mm ²	200 mm	10.5 mm	20 mm	28.0 mm	0.052 kg	Bureau Veritas cULus, RoHS
MBJ25-200-12	563430	150 A	1.9 mm	25 mm ²	200 mm	12.5 mm	20 mm	28.0 mm	0.052 kg	Bureau Veritas cULus, RoHS
MBJ25-250-10	556700	150 A	1.9 mm	25 mm ²	250 mm	10.5 mm	20 mm	28.0 mm	0.064 kg	Bureau Veritas cULus, RoHS
MBJ25-300-8	555201	150 A	1.9 mm	25 mm ²	300 mm	8.5 mm	20 mm	28.0 mm	0.077 kg	Bureau Veritas cULus
MBJ25-300-10	556710	150 A	1.9 mm	25 mm ²	300 mm	10.5 mm	20 mm	28.0 mm	0.077 kg	Bureau Veritas cULus, RoHS
MBJ25-500-10	556950	150 A	1.9 mm	25 mm ²	500 mm	10.5 mm	20 mm	28.0 mm	0.130 kg	Bureau Veritas cULus, RoHS
MBJ30-100-10	556720	180 A	2.0 mm	30 mm ²	100 mm	10.5 mm	22 mm	28.0 mm	0.032 kg	Bureau Veritas cULus, RoHS
MBJ30-150-10	556730	180 A	2.0 mm	30 mm ²	150 mm	10.5 mm	22 mm	28.0 mm	0.047 kg	Bureau Veritas cULus, RoHS

Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight	Certifications
MBJ30-200-10	556740	180 A	2.0 mm	30 mm ²	200 mm	10.5 mm	22 mm	28.0 mm	0.062 kg	Bureau Veritas cULus, RoHS
MBJ30-250-10	556750	180 A	2.0 mm	30 mm ²	250 mm	10.5 mm	22 mm	28.0 mm	0.075 kg	Bureau Veritas cULus, RoHS
MBJ30-300-10	556760	180 A	2.0 mm	30 mm ²	300 mm	10.5 mm	22 mm	28.0 mm	0.092 kg	Bureau Veritas cULus, RoHS
MBJ30-500-10	556960	180 A	2.0 mm	30 mm ²	500 mm	10.5 mm	22 mm	28.0 mm	0.155 kg	Bureau Veritas cULus, RoHS
MBJ35-100-10	556770	197 A	2.1 mm	35 mm ²	100 mm	10.5 mm	22 mm	28.0 mm	0.037 kg	Bureau Veritas cULus, RoHS
MBJ35-150-10	556780	197 A	2.1 mm	35 mm ²	150 mm	10.5 mm	22 mm	28.0 mm	0.054 kg	Bureau Veritas cULus, RoHS
MBJ35-200-10	556790	197 A	2.1 mm	35 mm ²	200 mm	10.5 mm	22 mm	28.0 mm	0.072 kg	Bureau Veritas cULus, RoHS
MBJ35-250-10	556800	197 A	2.1 mm	35 mm ²	250 mm	10.5 mm	22 mm	28.0 mm	0.089 kg	Bureau Veritas cULus, RoHS
MBJ35-300-10	556810	197 A	2.1 mm	35 mm ²	300 mm	10.5 mm	22 mm	28.0 mm	0.110 kg	Bureau Veritas cULus, RoHS
MBJ35-500-10	556970	197 A	2.1 mm	35 mm ²	500 mm	10.5 mm	22 mm	28.0 mm	0.180 kg	Bureau Veritas cULus, RoHS
MBJ35-250-25	565000	197 A	3.0 mm	35 mm ²	250 mm	25.5 mm	40 mm	45.0 mm	0.089 kg	Bureau Veritas cULus, RoHS
MBJ50-100-10	556820	250 A	2.5 mm	50 mm ²	100 mm	10.5 mm	28 mm	33.0 mm	0.052 kg	Bureau Veritas cULus, RoHS
MBJ50-150-10	556830	250 A	2.5 mm	50 mm ²	150 mm	10.5 mm	28 mm	33.0 mm	0.077 kg	Bureau Veritas cULus, RoHS
MBJ50-200-6	563350	250 A	2.5 mm	50 mm ²	200 mm	6.5 mm	28 mm	33.0 mm	0.120 kg	Bureau Veritas cULus, RoHS
MBJ50-200-10	556840	250 A	2.5 mm	50 mm ²	200 mm	10.5 mm	28 mm	33.0 mm	0.120 kg	Bureau Veritas cULus, RoHS
MBJ50-200-12	563440	250 A	2.5 mm	50 mm ²	200 mm	12.5 mm	28 mm	33.0 mm	0.120 kg	Bureau Veritas cULus, RoHS
MBJ50-200-16	563360	250 A	2.5 mm	50 mm ²	200 mm	16.5 mm	28 mm	33.0 mm	0.110 kg	Bureau Veritas cULus, RoHS
MBJ50-200-18	563370	250 A	2.5 mm	50 mm ²	200 mm	18.5 mm	28 mm	33.0 mm	0.110 kg	Bureau Veritas cULus, RoHS
MBJ50-250-10	556850	250 A	2.5 mm	50 mm ²	250 mm	10.5 mm	28 mm	33.0 mm	0.127 kg	Bureau Veritas cULus, RoHS
MBJ50-300-6	563380	250 A	2.5 mm	50 mm ²	300 mm	6.5 mm	28 mm	33.0 mm	0.150 kg	Bureau Veritas cULus, RoHS
MBJ50-300-10	556860	250 A	2.5 mm	50 mm ²	300 mm	10.5 mm	28 mm	33.0 mm	0.153 kg	Bureau Veritas cULus, RoHS
MBJ50-300-16	563390	250 A	2.5 mm	50 mm ²	300 mm	16.5 mm	28 mm	33.0 mm	0.150 kg	Bureau Veritas cULus, RoHS

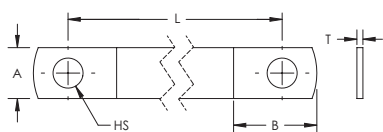
Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight	Certifications
MBJ50-300-18	563400	250 A	2.5 mm	50 mm ²	300 mm	18.5 mm	28 mm	33.0 mm	0.140 kg	Bureau Veritas cULus, RoHS
MBJ50-500-10	556980	250 A	2.5 mm	50 mm ²	500 mm	10.5 mm	28 mm	33.0 mm	0.255 kg	Bureau Veritas cULus, RoHS
MBJ50-500-12	563560	250 A	2.5 mm	50 mm ²	500 mm	12.5 mm	28 mm	33.0 mm	0.255 kg	Bureau Veritas cULus, RoHS
MBJ70-300-22	563480	290 A	3.0 mm	70 mm ²	300 mm	22.5 mm	40 mm	45.0 mm	0.200 kg	Bureau Veritas cULus, RoHS
MBJ70-300-6	563450	290 A	3.4 mm	70 mm ²	300 mm	6.5 mm	28 mm	33.0 mm	0.210 kg	Bureau Veritas cULus, RoHS
MBJ70-300-10	563460	290 A	3.4 mm	70 mm ²	300 mm	10.5 mm	28 mm	33.0 mm	0.210 kg	Bureau Veritas cULus, RoHS
MBJ70-300-12	563420	290 A	3.4 mm	70 mm ²	300 mm	12.5 mm	28 mm	33.0 mm	0.210 kg	Bureau Veritas cULus, RoHS
MBJ70-300-16	563470	290 A	3.4 mm	70 mm ²	300 mm	16.5 mm	28 mm	33.0 mm	0.200 kg	Bureau Veritas cULus, RoHS
MBJ70-500-10	563490	290 A	3.4 mm	70 mm ²	500 mm	10.5 mm	28 mm	33.0 mm	0.340 kg	Bureau Veritas cULus, RoHS
MBJ100-250-16	563500	349 A	4.0 mm	100 mm ²	250 mm	16.5 mm	40 mm	55.0 mm	0.254 kg	Bureau Veritas cULus, RoHS
MBJ100-250-30	563510	349 A	4.0 mm	100 mm ²	250 mm	30.5 mm	40 mm	55.0 mm	0.254 kg	Bureau Veritas cULus, RoHS
MBJ100-500-16	563520	349 A	4.0 mm	100 mm ²	500 mm	16.5 mm	40 mm	42.5 mm	0.508 kg	Bureau Veritas cULus, RoHS
MBJ100-500-30	563530	349 A	4.0 mm	100 mm ²	500 mm	30.5 mm	40 mm	55.0 mm	0.508 kg	Bureau Veritas cULus, RoHS

MBJYG Grounding and Bonding Braid, Tinned Copper, Halogen Free



MBJYG Grounding and Bonding Braids are a reliable and convenient ground solution for applications that require flexibility and durability. Designed with halogen-free and flame retardant yellow green insulation, MBJYG braids are made with tinned copper ground braids and solid palms that are ready to install without any additional cutting, stripping, crimping or punching. MBJYG braids also do not require the addition of tin or crimped lugs and the proprietary manufacturing process helps optimize the electrical contact between each wire and helps eliminate moisture issues in the palms, helping prevent corrosion and extend the useful life of the braid.

- Complete range of earth/ground flexible connections from 6 - 25 mm² [11.84 - 49.33 kcmil] cross section and from 100 - 300 mm [3.937" - 11.811"] length
- Integral palm, without tin or crimped lugs for superior electrical contact and tensile strength resistance
- Resistant to vibration and fatigue, reducing maintenance
- Provides weight savings, material savings and lower impedance when compared to similar lugged cables with insulation
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Halogen free and flame retardant yellow green insulation
- Quick and easy to install
- Recommended by the EMC/EMI directives and less impedance than cables
- RoHS compliant



Material: Copper, Polyolefin

Finish: Tinned

Dielectric Strength: 15 kV/mm

Flammability Rating: UL® 224 VW-1

Halogen Free Rating: EN 14582

Nominal Voltage, UL/CSA/IEC: 600 V

Working Temperature: -55 to 125 °C

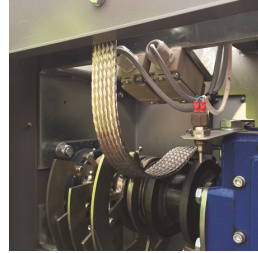
Complies With: IEC® 60439.1, IEC® 61439.1



Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight
MBJYG6-100-6	563601	40 A	1.1 mm	6 mm ²	100 mm	6.5 mm	11 mm	18 mm	0.012 kg
MBJYG6-150-6	563602	40 A	1.1 mm	6 mm ²	150 mm	6.5 mm	11 mm	18 mm	0.017 kg
MBJYG6-200-6	563603	40 A	1.1 mm	6 mm ²	200 mm	6.5 mm	11 mm	18 mm	0.023 kg
MBJYG6-250-6	563604	40 A	1.1 mm	6 mm ²	250 mm	6.5 mm	11 mm	18 mm	0.028 kg
MBJYG6-300-6	563605	40 A	1.1 mm	6 mm ²	300 mm	6.5 mm	11 mm	18 mm	0.033 kg
MBJYG10-100-6	563606	75 A	1.1 mm	10 mm ²	100 mm	6.5 mm	11 mm	18 mm	0.012 kg
MBJYG10-150-6	563607	75 A	1.1 mm	10 mm ²	150 mm	6.5 mm	11 mm	18 mm	0.017 kg
MBJYG10-200-6	563608	75 A	1.1 mm	10 mm ²	200 mm	6.5 mm	11 mm	18 mm	0.023 kg
MBJYG10-250-6	563609	75 A	1.1 mm	10 mm ²	250 mm	6.5 mm	11 mm	18 mm	0.028 kg

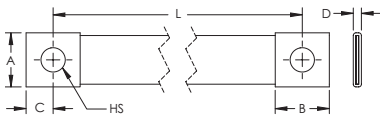
Part Number	Article Number	Ampacity	Thickness T	Cross Section	Length L	Hole Size HS	A	B	Unit Weight
MBJYG10-300-6	563611	75 A	1.1 mm	10 mm ²	300 mm	6.5 mm	11 mm	18 mm	0.033 kg
MBJYG16-100-8	563612	120 A	1.5 mm	16 mm ²	100 mm	8.5 mm	15 mm	20 mm	0.020 kg
MBJYG16-150-8	563613	120 A	1.5 mm	16 mm ²	150 mm	8.5 mm	15 mm	20 mm	0.028 kg
MBJYG16-200-8	563614	120 A	1.5 mm	16 mm ²	200 mm	8.5 mm	15 mm	20 mm	0.036 kg
MBJYG16-250-8	563615	120 A	1.5 mm	16 mm ²	250 mm	8.5 mm	15 mm	20 mm	0.044 kg
MBJYG16-300-8	563616	120 A	1.5 mm	16 mm ²	300 mm	8.5 mm	15 mm	20 mm	0.052 kg
MBJYG25-100-8	563617	150 A	1.9 mm	25 mm ²	100 mm	8.5 mm	20 mm	28 mm	0.030 kg
MBJYG25-150-8	563618	150 A	1.9 mm	25 mm ²	150 mm	8.5 mm	20 mm	28 mm	0.044 kg
MBJYG25-200-8	563619	150 A	1.9 mm	25 mm ²	200 mm	8.5 mm	20 mm	28 mm	0.056 kg
MBJYG25-250-8	563621	150 A	1.9 mm	25 mm ²	250 mm	8.5 mm	20 mm	28 mm	0.069 kg
MBJYG25-300-8	563622	150 A	1.9 mm	25 mm ²	300 mm	8.5 mm	20 mm	28 mm	0.082 kg

CPI Grounding and Bonding Braid, Stainless Steel



High-quality CPI stainless steel grounding and bonding braids can be installed in extremely corrosive environments, like offshore applications or coastal applications. The full range of CPI braids are ideal for applications using stainless steel pipe or tanks, like the food and beverage industry, building industry, transportation, oil and chemical industry. nVent ERIFLEX offers 316L stainless steel braids and lugs, one of the highest resistant stainless steel options on the market. Our proprietary manufacturing process has been optimized to provide the best braiding, crimping, cutting and punching.

- Superior abrasion, corrosion, chemical and UV resistance make CPI braids ideal for outdoor applications
- Great for expansion joints where constant movement requires a flexible and durable solution
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Resistant to vibration and fatigue, reducing maintenance
- Will not rust or discolor, so the appearance will never fade or change
- Excellent electrical contact
- No additional lugs or terminals needed
- Non-magnetic material
- Recommended by the EMC/EMI directives
- Performs to the class C5 (very high) category as per ISO[®] 12944-2
- EAC compliant
- RoHS compliant
- Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations



Material: Stainless Steel 316L (EN 1.4404)
 Certification Details: UL[®] 467
 Complies With: IEC[®] 60439.1, IEC[®] 61439.1



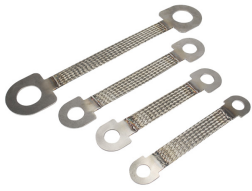
Part Number	Article Number	Cross Section	Length L	Hole Size HS	A	B	C	D	Unit Weight	Certifications
CPI16-150-8	554277	16 mm ²	150 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.031 kg	ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS
CPI16-200-8	554278	16 mm ²	200 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.037 kg	ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS
CPI16-250-8	554279	16 mm ²	250 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.043 kg	ABS, Bureau Veritas, CE, ERIFLEX CPI

Part Number	Article Number	Cross Section	Length L	Hole Size HS	A	B	C	D	Unit Weight	Certifications
										cULus, RoHS
CPI16-300-8	554280	16 mm ²	300 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.050 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI16-400-8	554282	16 mm ²	400 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.062 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI16-600-8	554286	16 mm ²	600 mm	8.5 mm	17.5 mm	20 mm	10 mm	3.0 mm	0.087 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-150-10	554299	25 mm ²	150 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.058 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-200-10	554300	25 mm ²	200 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.068 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-250-10	554301	25 mm ²	250 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.078 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-300-10	554302	25 mm ²	300 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.088 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-400-10	554304	25 mm ²	400 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.108 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI25-600-10	554308	25 mm ²	600 mm	10.5 mm	26.5 mm	30 mm	15 mm	3.5 mm	0.147 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI35-150-12	554321	35 mm ²	150 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.071 kg	ABS, Bureau Veritas CE, ERIFLEX CPI, cULus, RoHS
CPI35-200-12	554322	35 mm ²	200 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.085 kg	ABS, Bureau Veritas cULus, RoHS
CPI35-250-12	554323	35 mm ²	250 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.099 kg	ABS, Bureau Veritas cULus, RoHS
CPI35-300-12	554324	35 mm ²	300 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.112 kg	ABS, Bureau Veritas cULus, RoHS
CPI35-400-12	554326	35 mm ²	400 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.140 kg	ABS, Bureau Veritas cULus, RoHS
CPI35-600-12	554330	35 mm ²	600 mm	13.0 mm	26.5 mm	30 mm	15 mm	4.0 mm	0.195 kg	ABS, Bureau Veritas

Part Number	Article Number	Cross Section	Length L	Hole Size HS	A	B	C	D	Unit Weight	Certifications
										cULus, RoHS
CPI50-150-12	554343	50 mm ²	150 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.111 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI50-200-12	554344	50 mm ²	200 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.130 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI50-250-12	554345	50 mm ²	250 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.150 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI50-300-12	554346	50 mm ²	300 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.170 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI50-400-12	554348	50 mm ²	400 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.209 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI50-600-12	554352	50 mm ²	600 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.0 mm	0.288 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-1100-12	554384	70 mm ²	1,100 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.664 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-150-12	554365	70 mm ²	150 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.139 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-200-12	554366	70 mm ²	200 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.167 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-250-12	554367	70 mm ²	250 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.194 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-300-12	554368	70 mm ²	300 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.222 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-400-12	554370	70 mm ²	400 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.277 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS
CPI70-600-12	554374	70 mm ²	600 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.388 kg	ABS, Bureau Veritas CE, ERIFLEX CFI, cULus, RoHS

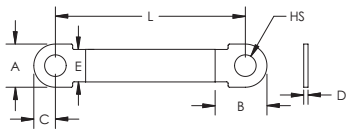
Part Number	Article Number	Cross Section	Length L	Hole Size HS	A	B	C	D	Unit Weight	Certifications
CPI70-800-12	554378	70 mm ²	800 mm	13.0 mm	30.0 mm	30 mm	15 mm	5.8 mm	0.498 kg	ABS, Bureau Veritas CE, ERIFLEX CP, cULus, RoHS

CPIW Grounding and Bonding Braid, Stainless Steel for Large Bolts



High-quality CPIW stainless steel grounding and bonding braids can be installed in extremely corrosive environments, like offshore applications or coastal applications. The full range of CPIW braids are ideal for applications using stainless steel pipe or tanks, like the food and beverage industry, building industry, transportation, oil and chemical industry. nVent ERIFLEX offers 316L stainless steel braids, one of the highest resistant stainless steel options on the market. Our proprietary manufacturing process has been optimized to provide the best braiding, welding, and connection palm.

- Superior abrasion, corrosion, chemical and UV resistance make CPIW braids ideal for outdoor applications
- Covering from M20 (3/4"-10) up to M42 (1 1/2"-6) bolt fixation point
- Great for expansion joints where constant movement requires a flexible and durable solution
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Resistant to vibration and fatigue, reducing maintenance
- Will not rust or discolor, so the appearance will never fade or change
- Excellent electrical contact
- No additional lugs or terminals needed
- Non-magnetic material
- Recommended by the EMC/EMI directives
- Performs to the class C5 (very high) category as per ISO® 12944-2
- EAC compliant
- RoHS compliant



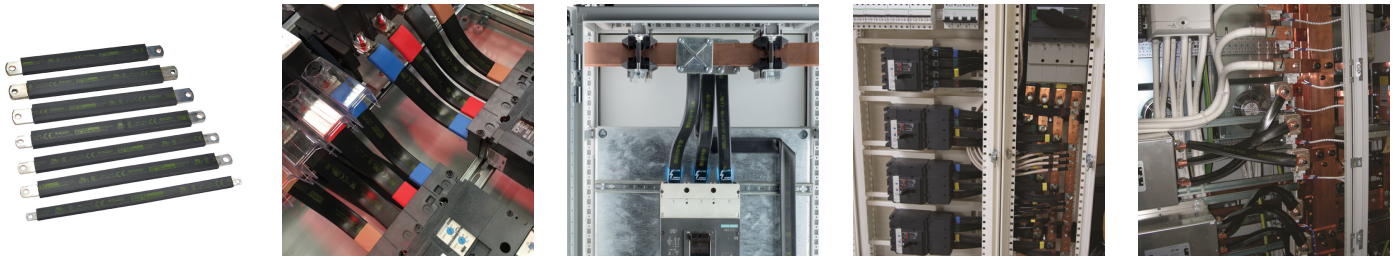
Material: Stainless Steel 316L (EN 1.4404)
 Certification Details: UL® 467
 Complies With: IEC® 60439.1, IEC® 61439.1



Part Number	Article Number	Cross Section (mm ²)	L (mm)	HS (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Unit Weight (kg)
CPIW50-200-20B	554386B	50	200	21	42	51	21	3	28	0.128
CPIW50-200-24B	554401B	50	200	25	52	62	26	3	28	0.154
CPIW50-250-20B	554398B	50	250	21	42	51	21	3	28	0.148
CPIW50-250-24B	554403B	50	250	25	52	62	26	3	28	0.176
CPIW50-250-27B	554405B	50	250	28	58	69	29	3	28	0.195
CPIW50-250-30B	554407B	50	250	31	62	74	31	3	28	0.207
CPIW50-300-20B	554427B	50	300	21	42	51	21	3	28	0.200
CPIW50-300-24B	554428B	50	300	25	52	62	26	3	28	0.210
CPIW50-300-27B	554429B	50	300	28	58	69	29	3	28	0.220
CPIW50-300-30B	554409B	50	300	31	62	74	31	3	28	0.229

Part Number	Article Number	Cross Section (mm ²)	L (mm)	HS (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Unit Weight (kg)
CPIW50-300-33B	554412B	50	300	34	68	78	34	3	28	0.246
CPIW50-300-39B	554416B	50	300	40	78	89	39	3	28	0.284
CPIW50-300-42B	554421B	50	300	43	82	94	41	3	28	0.301
CPIW50-400-33B	554414B	50	400	34	68	78	34	3	28	0.288
CPIW50-400-39B	554418B	50	400	40	78	89	39	3	28	0.327
CPIW50-400-42B	554423B	50	400	43	82	94	41	3	28	0.344
CPIW70-200-20B	554397B	70	200	21	42	51	21	3	28	0.149
CPIW70-200-24B	554402B	70	200	25	52	62	26	3	28	0.175
CPIW70-250-20B	554399B	70	250	21	42	51	21	3	28	0.178
CPIW70-250-24B	554404B	70	250	25	52	62	26	3	28	0.203
CPIW70-250-27B	554406B	70	250	28	58	69	29	3	28	0.221
CPIW70-250-30B	554408B	70	250	31	62	74	31	3	28	0.233
CPIW70-300-30B	554411B	70	300	31	62	74	31	3	28	0.262
CPIW70-300-33B	554413B	70	300	34	68	78	34	3	28	0.278
CPIW70-300-39B	554417B	70	300	40	78	89	39	3	28	0.315
CPIW70-300-42B	554422B	70	300	43	82	94	41	3	28	0.331
CPIW70-400-20B	554388B	70	400	21	42	51	21	3	28	0.264
CPIW70-400-33B	554415B	70	400	34	68	78	34	3	28	0.336
CPIW70-400-39B	554419B	70	400	40	78	89	39	3	28	0.373
CPIW70-400-42B	554424B	70	400	43	82	94	41	3	28	0.389

IBS/IBSB Advanced Insulated Braided Conductor, Halogen Free



IBS/IBSB Advanced Insulated Braided Conductor, Halogen Free is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. IBS/IBSB Advanced connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBS/IBSB Advanced is available in cross sections of 25 to 240 mm² (49.34 to 273.65 kcmil), lengths from 230 to 1,030 mm (9.06" to 40.55"), and 80 to 700 A.

Manufactured in an ISO 9001 certified automated facility, IBS/IBSB Advanced is formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility which allows for more compact power connections to circuit breakers. The IBS/IBSB Advanced allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.

The unique manufacturing process of integral pre-punched palms make IBS/IBSB Advanced ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminates faulty connections due to vibration or fatigue.

IBS/IBSB Advanced is compatible with all major brand molded case circuit breakers.

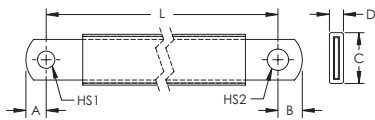
The advanced technology insulation is a high-resistance low smoke, halogen-free and flame retardant thermoplastic.

IBS/IBSB Advanced does not generate corrosive gases and produces a relatively low smoke opacity in accordance with IEC 61034-2 and UL 2885. The low smoke characteristic improves visibility conditions for people to be able to easily locate the emergency exit and also allows rescue workers to better assess an emergency situation. IBS/IBSB Advanced means greater safety for individuals, less damage for your electrical equipment and less environmental impact.

The halogen-free feature enables a reduction in the quantity of toxic smoke. IBS/IBSB Advanced does not contain any halogens, according to IEC 60754-1 and UL 2885, minimizing toxicity and making it the ideal product for use in enclosed spaces such as data centers, rail, and public facilities such as hospitals and schools. This also facilitates the use of IBS/IBSB Advanced in specific applications such as submarines, switchboards and other enclosed environments that require a low emissions solution.

In addition to the above features, IBS/IBSB Advanced is compliant with the UL 94-V0 testing standard and glow wire test 960 °C. The flame retardant portion of the test illustrates the self-extinguish feature. This superior feature of IBS/IBSB Advanced is also shown by the Limiting Oxygen Index (LOI) at 30%. In case of fire, IBS/IBSB Advanced generates a limited quantity of smoke that is less damaging to your electrical equipment.

- Suitable for all main molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- Insulated by high-resistance, halogen free, flame retardant and low smoke material
- Tinned copper provides superior corrosion resistance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Integral palm without lugs or terminals reduces material and assembly weight
- Conforms to NF EN 45545 obtaining an HL3 classification for chapters R22 and R23
- DNV GL® and Bureau Veritas certified for marine and offshore applications
- Small wire diameter provides maximum flexibility
- Dramatically smaller and more flexible than comparable cable based on ampacity
- Better power density than cable with lower skin effect ratio
- Reduces total installation cost
- RoHS compliant
- Tinned copper allows for copper or aluminum conductor connections
- On request, can be manufactured with other colors (typically with Orange sleeve for battery connection)



Material: Copper, Thermoplastic Elastomer
 Dielectric Strength: 20 kV/mm
 Flammability Rating: UL® 94V-0
 Halogen Free Rating: UL® 2885, IEC® 60754-1, IEC® 62821-1
 Low Smoke Rating: IEC® 61034-2, ISO 5659-2, UL® 2885
 UV Resistance Rating: UL® 854, UL® 2556
 Insulation Elongation: 500 %
 Insulation Thickness: 1.8 mm
 Max Working Voltage, IEC/UL 758: 1,000 VAC, 1,500 VDC
 Max Working Voltage, UL 67: 600 VAC/DC
 Working Temperature: -50 to 115 °C
 Wire Diameter: 0.15 mm
 Certification Details: UL® 67, UL® 758
 Complies With: IEC® 60439.1,
 IEC® 60695-2-11 (Glow Wire Test 960 °C), IEC® 61439.1,
 IEC® 61439.1 Class II



Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
Typical Application Current Rating: 160 A – Peak Short Circuit Current (I _{pk}): 14 kA – Finish: Tinned													
IBSBADV25-230	534400	25	12	2.8	230	6.5	6.5	18	9.0	6.5	6.5	0.08	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV25-330	534401	25	12	2.8	330	6.5	6.5	18	9.0	6.5	6.5	0.11	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													RoHS, UL
IBSBADV25-430	534402	25	12	2.8	430	6.5	6.5	18	9.0	6.5	6.5	0.15	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV25-530	534403	25	12	2.8	530	6.5	6.5	18	9.0	6.5	6.5	0.18	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV25-630	534404	25	12	2.8	630	6.5	6.5	18	9.0	6.5	6.5	0.22	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV25-830	534405	25	12	2.8	830	6.5	6.5	18	9.0	6.5	6.5	0.28	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV25-1030	534406	25	12	2.8	1,030	6.5	6.5	18	9.0	6.5	6.5	0.35	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-230	534500	25	20	1.9	230	10.0	12.0	25	6.0	8.5	10.5	0.95	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-330	534501	25	20	1.9	330	10.0	12.0	25	6.0	8.5	10.5	0.14	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-430	534502	25	20	1.9	430	10.0	12.0	25	6.0	8.5	10.5	0.17	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-530	534503	25	20	1.9	530	10.0	12.0	25	6.0	8.5	10.5	0.21	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													RoHS, UL
IBSADV25-630	534504	25	20	1.9	630	10.0	12.0	25	6.0	8.5	10.5	0.25	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-830	534505	25	20	1.9	830	10.0	12.0	25	6.0	8.5	10.5	0.33	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV25-1030	534506	25	20	1.9	1,030	10.0	12.0	25	6.0	8.5	10.5	0.41	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
Typical Application Current Rating: 250 A – Peak Short Circuit Current (I _{pk}): 30 kA – Finish: Tinned													
IBSBADV50-230	534407	50	20	2.8	230	9.0	11.0	27	8.0	8.5	10.5	0.15	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-230	534507	50	20	2.8	230	12.0	12.0	27	8.0	10.5	10.5	0.16	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV50-330	534408	50	20	2.8	330	9.0	11.0	27	8.0	8.5	10.5	0.21	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-330	534508	50	20	2.8	330	12.0	12.0	27	8.0	10.5	10.5	0.22	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV50-430	534409	50	20	2.8	430	9.0	11.0	27	8.0	8.5	10.5	0.27	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-430	534509	50	20	2.8	430	12.0	12.0	27	8.0	10.5	10.5	0.29	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													EAC, RoHS, UL
IBSBADV50-530	534410	50	20	2.8	530	9.0	11.0	27	8.0	8.5	10.5	0.33	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-530	534510	50	20	2.8	530	12.0	12.0	27	8.0	10.5	10.5	0.35	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV50-630	534411	50	20	2.8	630	9.0	11.0	27	8.0	8.5	10.5	0.39	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-630	534511	50	20	2.8	630	12.0	12.0	27	8.0	10.5	10.5	0.41	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV50-830	534412	50	20	2.8	830	9.0	11.0	27	8.0	8.5	10.5	0.52	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-830	534512	50	20	2.8	830	12.0	12.0	27	8.0	10.5	10.5	0.53	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV50-1030	534413	50	20	2.8	1,030	9.0	11.0	27	8.0	8.5	10.5	0.64	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSADV50-1030	534513	50	20	2.8	1,030	12.0	12.0	27	8.0	10.5	10.5	0.65	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
Typical Application Current Rating: 300 A – Peak Short Circuit Current (I _{pk}): 30 kA – Finish: Tinned													
IBSBADV70-230	534414	70	20	4.3	230	9.0	11.0	27	11.0	8.5	10.5	0.20	ABS, Bureau Veritas, CE, CSA, cURus,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													DNV GL, EAC, RoHS, UL
IBSBADV70-330	534415	70	20	4.3	330	9.0	11.0	27	11.0	8.5	10.5	0.28	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV70-430	534416	70	20	4.3	430	9.0	11.0	27	11.0	8.5	10.5	0.36	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV70-530	534417	70	20	4.3	530	9.0	11.0	27	11.0	8.5	10.5	0.44	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV70-630	534418	70	20	4.3	630	9.0	11.0	27	11.0	8.5	10.5	0.53	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV70-830	534419	70	20	4.3	830	9.0	11.0	27	11.0	8.5	10.5	0.70	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV70-1030	534420	70	20	4.3	1,030	9.0	11.0	27	11.0	8.5	10.5	0.86	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
Typical Application Current Rating: 350 A - Peak Short Circuit Current (I _{pk}): 70 kA - Finish: Tinned													
IBSBADV100-230	534421	100	24	5.0	230	9.0	11.0	31	13.0	8.5	10.5	0.27	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-330	534422	100	24	5.0	330	9.0	11.0	31	13.0	8.5	10.5	0.39	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-430	534423	100	24	5.0	430	9.0	11.0	31	13.0	8.5	10.5	0.50	ABS, Bureau Veritas, CE, CSA,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-530	534424	100	24	5.0	530	9.0	11.0	31	13.0	8.5	10.5	0.62	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-630	534425	100	24	5.0	630	9.0	11.0	31	13.0	8.5	10.5	0.73	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-830	534426	100	24	5.0	830	9.0	11.0	31	13.0	8.5	10.5	0.96	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV100-1030	534427	100	24	5.0	1,030	9.0	11.0	31	13.0	8.5	10.5	1.19	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
Typical Application Current Rating: 400 A – Peak Short Circuit Current (I _{pk}): 70 kA – Finish: Tinned													
IBSBADV120-230	534428	120	32	4.4	230	11.0	11.0	39	12.0	10.5	10.5	0.33	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-330	534429	120	32	4.4	330	11.0	11.0	39	12.0	10.5	10.5	0.47	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-430	534430	120	32	4.4	430	11.0	11.0	39	12.0	10.5	10.5	0.60	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-530	534431	120	32	4.4	530	11.0	11.0	39	12.0	10.5	10.5	0.74	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-630	534432	120	32	4.4	630	11.0	11.0	39	12.0	10.5	10.5	0.88	ABS, Bureau Veritas,

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
													CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-830	534433	120	32	4.4	830	11.0	11.0	39	12.0	10.5	10.5	1.15	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV120-1030	534434	120	32	4.4	1,030	11.0	11.0	39	12.0	10.5	10.5	1.43	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
Typical Application Current Rating: 500 A – Peak Short Circuit Current (I _{pk}): 70 kA – Finish: Tinned													
IBSBADV185-330	534435	185	32	7.1	330	12.0	14.0	39	16.0	10.5	12.5	0.70	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV185-430	534436	185	32	7.1	430	12.0	14.0	39	16.0	10.5	12.5	0.90	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV185-530	534437	185	32	7.1	530	12.0	14.0	39	16.0	10.5	12.5	1.10	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV185-630	534438	185	32	7.1	630	12.0	14.0	39	16.0	10.5	12.5	1.30	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV185-830	534439	185	32	7.1	830	12.0	14.0	39	16.0	10.5	12.5	1.70	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV185-1030	534440	185	32	7.1	1,030	12.0	14.0	39	16.0	10.5	12.5	2.10	Bureau Veritas, ABS, CE, CSA, cURus, DNV GL, EAC, RoHS, UL

Part Number	Article Number	Cross Section (mm ²)	Conductor Width (mm)	Conductor Thickness (mm)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	HS1 (mm)	HS2 (mm)	Unit Weight (kg)	Certifications
Typical Application Current Rating: 630 A - Peak Short Circuit Current (I _{pk}): 80 kA - Finish: Bare, Tinned													
IBSBADV240-330	534441	240	32	9.2	330	12.0	14.0	39	18.5	10.5	12.5	0.89	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV240-430	534442	240	32	9.2	430	12.0	14.0	39	18.5	10.5	12.5	1.14	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV240-530	534443	240	32	9.2	530	12.0	14.0	39	18.5	10.5	12.5	1.40	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV240-630	534444	240	32	9.2	630	12.0	14.0	39	18.5	10.5	12.5	1.65	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV240-830	534445	240	32	9.2	830	12.0	14.0	39	18.5	10.5	12.5	2.16	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL
IBSBADV240-1030	534446	240	32	9.2	1,030	12.0	14.0	39	18.5	10.5	12.5	2.67	ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL

Maximum Ampacity Ratings									
Cross Section (mm ² /kcmil)	ΔT 30° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 70° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
25/49.34 (IBSB)	116	134	142	150	157	164	177	1.6	2
25/49.34 (IBS)	137	158	167	177	185	193	209	1.6	2
50/98.68	213	246	260	274	288	301	325	1.6	2
70/138.15	226	261	277	291	306	319	345	1.6	2
100/197.35	298	344	365	385	404	422	456	1.6	2
120/236.82	363	419	444	468	491	513	554	1.6	2
185/365.1	416	480	509	537	563	588	635	1.6	2
240/473.65	556	642	681	718	753	786	849	1.6	2

Circuit Breaker Compatibility									
Circuit Breaker Current Rating	125/160 A		250 A		300 A	350 A	400 A	500 A	630 A
Part Number	IBSBADV25x	IBSADV25x	IBSBADV50x	IBSADV50x	IBSBADV70x	IBSBADV100x	IBSBADV120x	IBSBADV185x	IBSBADV240x
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	T5	T5	T5	-	-
GE® Record Plus® (IEC/UL)	FD 160	FD 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	-	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S

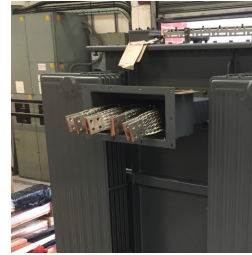
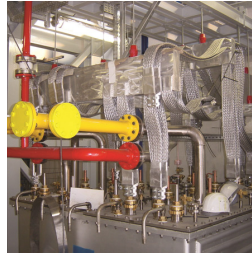
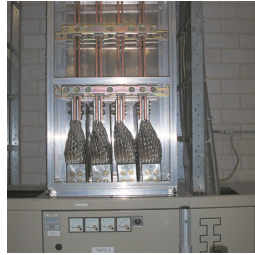
ΔT = Temperature of conductors – Internal temperature of panel.

This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

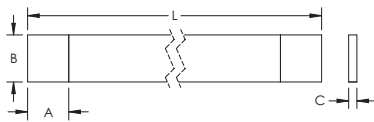
IBSB Advanced Insulated Braided Conductor with a cross section of 240 mm² (473.65 kcmil) is constructed of red copper strands with tinned palms.

Distance between supports must not exceed 630 mm (17.8") according to IEC 61439-1.

PBC Braided Power Shunt



- Ideal for transformer-busduct link
- Solid palms can be drilled to fit customer specific designs
- Extra flexible power connection and good resistance to vibration



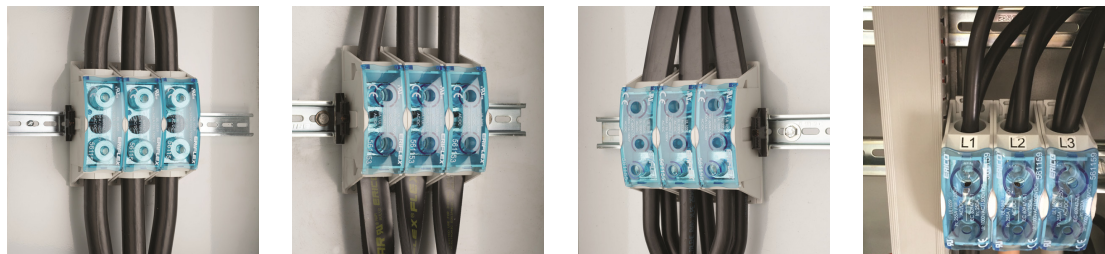
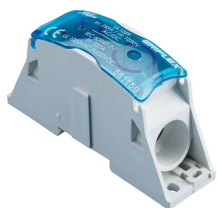
Material: Copper
 Finish: Tinned
 Wire Diameter: 0.15 mm



Part Number	Article Number	Cross Section	ΔT 30 K	ΔT 50 K	Length L	A	B	C	2 Bar Current Coefficient
PBC100X250	564000	100 mm ²	349 A	462 A	250 mm	35 mm	40 mm	7.0 mm	1.72
PBC100X500	564050	100 mm ²	349 A	462 A	500 mm	35 mm	40 mm	7.0 mm	1.72
PBC120X250	564010	120 mm ²	385 A	511 A	250 mm	35 mm	40 mm	7.5 mm	1.72
PBC150X250	564100	150 mm ²	440 A	583 A	250 mm	55 mm	50 mm	8.0 mm	1.72
PBC150X500	564150	150 mm ²	440 A	583 A	500 mm	55 mm	50 mm	8.0 mm	1.72
PBC200X250	564200	200 mm ²	550 A	729 A	250 mm	55 mm	50 mm	9.0 mm	1.72
PBC200X500	564250	200 mm ²	550 A	729 A	500 mm	55 mm	50 mm	9.0 mm	1.72
PBC250X300	564300	250 mm ²	651 A	863 A	300 mm	85 mm	50 mm	10.5 mm	1.72
PBC300X400	564400	300 mm ²	716 A	948 A	400 mm	85 mm	60 mm	11.0 mm	1.65
PBC400X400	564500	400 mm ²	853 A	1,131 A	400 mm	85 mm	80 mm	11.0 mm	1.60
PBC500X400	564600	500 mm ²	917 A	1,216 A	400 mm	105 mm	100 mm	11.0 mm	1.65
PBC600X450	564700	600 mm ²	1,101 A	1,459 A	450 mm	105 mm	100 mm	13.0 mm	1.60
PBC800X450	564800	800 mm ²	1,376 A	1,823 A	450 mm	105 mm	100 mm	14.0 mm	1.60
PBC1000X450	564900	1,000 mm ²	1,651 A	2,188 A	450 mm	105 mm	100 mm	16.0 mm	1.60
PBC1200X500	564030	1,200 mm ²	1,982 A	2,626 A	500 mm	125 mm	120 mm	17.5 mm	1.60

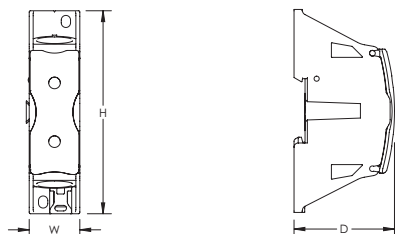
When used in parallel, the two shunts must be spaced with a minimum distance equal to the thickness of the shunt to allow air cooling.

Power Block



nVent ERIFLEX Power Blocks are the main DIN mounted output/input devices for connection between primary and secondary switchboard, or main input/output connection for machine or industrial equipment (such as inverter, air conditioning machines, etc.). The high short circuit rated large cross section blocks offer time savings and reliability in every panel configuration. The complete Power Blocks range offers multiple connection types with up to four cables, nVent ERIFLEX Flexibar Advanced, or IBS/IBSB Advanced power braids.

- Can be connected with round cross section cable or flat connection system like nVent ERIFLEX Flexibar Advanced or IBS/IBSB Advanced Insulated Braided Conductor
- Compact power block with high short circuit current rating
- Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using ferrule
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Modular snap-together blocks for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- Voltage detection and measurement connection
- 95% fill ratio
- RoHS compliant
- Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22
- Halogen free



Finish: Tinned



Part Number	Article Number	Type	Typical Application Current Rating, IEC	Material	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Short Term Withstand Current (Icw) 1s	Certifications
SB80AL	561160	Cable-Cable	100 A	Aluminum, Thermoplastic	16 mm ²	16 mm ²	3.0 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB80	561150	Cable-Cable	100 A	Copper, Thermoplastic	16 mm ²	16 mm ²	3.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB125	561158	Cable-Cable	170 A	Copper, Thermoplastic	35 mm ²	35 mm ²	6.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB125AL	561161	Cable-Cable	180 A	Aluminum, Thermoplastic	35 mm ²	35 mm ²	6.0 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS

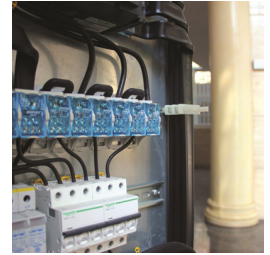
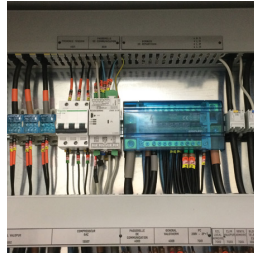
Part Number	Article Number	Type	Typical Application Current Rating, IEC	Material	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Short Term Withstand Current (I _{cw}) 1s	Certifications
SB160AL	561162	Cable-Cable	230 A	Aluminum, Thermoplastic	70 mm ²	70 mm ²	14.4 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB160	561151	Cable-Cable	250 A	Copper, Thermoplastic	70 mm ²	70 mm ²	14.4 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB250AL	561163	Cable-Cable	400 A	Aluminum, Thermoplastic	120 mm ²	120 mm ²	14.4 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB250	561159	Cable-Cable	400 A	Copper, Thermoplastic	120 mm ²	120 mm ²	14.4 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB400AL	561164	Cable-Cable	500 A	Aluminum, Thermoplastic	240 mm ²	240 mm ²	28.8 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB400	561152	Cable-Cable	500 A	Copper, Thermoplastic	240 mm ²	240 mm ²	28.8 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB630AL	561168	Cable-Cable	630 A	Aluminum, Thermoplastic	500 mm ²	500 mm ²	60.0 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB630	561156	Cable-Cable	630 A	Copper, Thermoplastic	500 mm ²	500 mm ²	60.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB2C400AL	561166	Cable-2 Cables	400 A	Aluminum, Thermoplastic	240 mm ²	(2) 120 mm ²	28.8 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SB2C250	561170	Cable-2 Cables	400 A	Copper, Thermoplastic	120 mm ²	(2) 120 mm ²	14.4 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL
SB2C400	561154	Cable-2 Cables	400 A	Copper, Thermoplastic	240 mm ²	(2) 120 mm ²	28.8 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SB2C1000AL	561174	Cable-2 Cables	1,000 A	Aluminum, Thermoplastic	500 mm ²	(2) 300 mm ²	72.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL
SB2C2C1000AL	561175	2 Cables-2 Cables	1,000 A	Aluminum, Thermoplastic	(2) 300 mm ²	(2) 300 mm ²	72.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL
SBF250	561171	Flexibar-Cable	250 A	Copper, Thermoplastic	70 mm ²	120 mm ²	14.4 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL, UR
SBF400AL	561165	Flexibar-Cable	400 A	Aluminum, Thermoplastic	100 mm ²	240 mm ²	28.8 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SBF400	561153	Flexibar-Cable	400 A	Copper, Thermoplastic	100 mm ²	240 mm ²	28.8 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SBF630AL	561169	Flexibar-Cable	630 A	Aluminum, Thermoplastic	240 mm ²	500 mm ²	60.0 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SBF630	561157	Flexibar-Cable	630 A	Copper, Thermoplastic	240 mm ²	500 mm ²	60.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SBF2C400AL	561167	Flexibar-2 Cables	400 A	Aluminum, Thermoplastic	100 mm ²	(2) 120 mm ²	28.8 kA	CE, ERIFLEX SB, cURus, EN 45545, RoHS
SBF2C400	561155	Flexibar-2 Cables	400 A	Copper, Thermoplastic	100 mm ²	(2) 120 mm ²	28.8 kA	CE, ERIFLEX SB, EN 45545, RoHS, UR
SBF2C250	561172	Flexibar-2 Cables	400 A	Copper, Thermoplastic	70 mm ²	(2) 120 mm ²	14.4 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL

Part Number	Article Number	Type	Typical Application Current Rating, IEC	Material	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Short Term Withstand Current (Icw) 1s	Certifications
SBF2C630AL	561173	Flexibar-2 Cables	800 A	Aluminum, Thermoplastic	240 mm ²	240 mm ²	60.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL
SBF3C1000AL	561176	Flexibar-3 Cables	1,000 A	Aluminum, Thermoplastic	500 mm ²	(3) 300 mm ²	72.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL
SBF4C1600AL	561177	Flexibar-4 Cables	1,600 A	Aluminum, Thermoplastic	800 mm ²	(4) 300 mm ²	96.0 kA	CE, ERIFLEX SB, EN 45545, RoHS, UL

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient* Temperature (°C) to maintain working temperature of 85°C										
Ambient Temperature (°C)	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47
*environment around the terminal blocks inside the enclosure										

SBF250 is UL® 1953 Listed when used with SB250SPCR. Max Working Voltage for UL 1953 applications is 1250 VAC/DC.

Single Pole Distribution Block



- Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using ferrule
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Modular snap-together blocks for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- RoHS compliant
- Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22
- Halogen free



Finish: Tinned

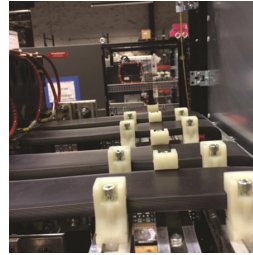
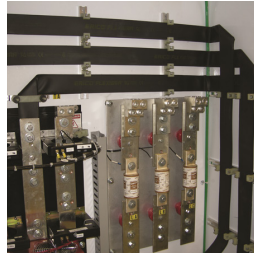
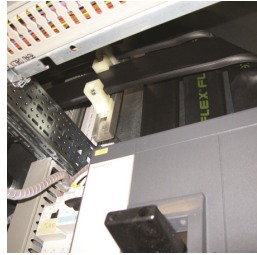
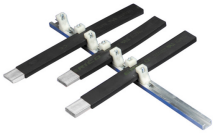
Part Number	Article Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection	Material	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)	Certifications
UD-80A	569010	80 A	85 A	Cable	6 Cables	Copper, Thermoplastic	16 mm ²	16 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UDJ-125A	569020	125 A	150 A	Cable	7 Cables	Copper, Thermoplastic	35 mm ²	16 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UDJ-160A	569030	160 A	200 A	Cable	7 Cables	Copper, Thermoplastic	70 mm ²	16 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UD-250A	569040	250 A	255 A	Cable	11 Cables	Copper, Thermoplastic	120 mm ²	35 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UDF-250A	569041	250 A	255 A	Flat Conductor	6 Cables	Copper, Thermoplastic	70 mm ²	16 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, cURus, EAC, EN 45545, RoHS
UD-400A	569050	400 A	335 A	Cable	11 Cables	Copper, Thermoplastic	185 mm ²	35 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UD-400112AL	569252	400 A	335 A	Cable	12 Cables	Aluminum, Thermoplastic	185 mm ²	10 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	CE, ERIFLEX UD, CSA, cURus, EAC,

Part Number	Article Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Line Side Connection	Load Side Connection	Material	Line Side Max Conductor Size, IEC	Load Side Max Conductor Size, IEC	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)	Certifications
											EN 45545, RoHS
UD-400112CU	569052	400 A	335 A	Cable	12 Cables	Copper, Thermoplastic	185 mm ²	10 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UD-400212AL	569251	400 A	400 A	2 Cables	12 Cables	Aluminum, Thermoplastic	95 mm ²	10 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UD-400212CU	569051	400 A	400 A	2 Cables	12 Cables	Copper, Thermoplastic	95 mm ²	10 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	CE, ERIFLEX UD, CSA, cURus, EAC, EN 45545, RoHS
UDF-500A	569060	500 A	335 A	Flat Conductor	11 Cables	Copper, Thermoplastic	185 mm ²	35 mm ²	1,000 VAC/DC	600 V	CE, ERIFLEX UD, cURus, EAC, EN 45545, RoHS
UD6C500AL	569201	500 A	380 A	Cable	6 Cables	Aluminum, Thermoplastic	240 mm ²	50 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UDF6C500AL	569202	500 A	475 A	Flat Conductor	6 Cables	Aluminum, Thermoplastic	100 mm ²	50 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UDF9C500AL	569204	500 A	490 A	Flat Conductor	9 Cables	Aluminum, Thermoplastic	100 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UDF12C500AL	569206	500 A	500 A	Flat Conductor	12 Cables	Aluminum, Thermoplastic	100 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UD9C630AL	569203	630 A	420 A	Cable	9 Cables	Aluminum, Thermoplastic	300 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UD2C12C630AL	569205	630 A	670 A	2 Cables	12 Cables	Aluminum, Thermoplastic	185 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UDF12C800AL	569208	800 A	670 A	Flat Conductor	12 Cables	Aluminum, Thermoplastic	240 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UD2C12C1000AL	569207	1,000 A	760 A	2 Cables	12 Cables	Aluminum, Thermoplastic	240 mm ²	25 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UDF9C1000AL	569210	1,000 A	840 A	Flat Conductor	9 Cables	Aluminum, Thermoplastic	240 mm ²	95 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL
UD2C9C1250AL	569209	1,250 A	950 A	2 Cables	9 Cables	Aluminum, Thermoplastic	400 mm ²	95 mm ²	1,000 VAC, 1,500 VDC	1,000 VAC/DC	EN 45545, UL

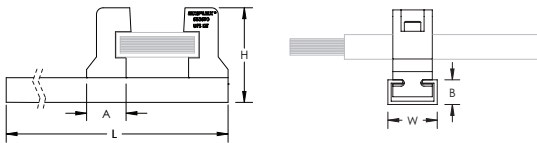
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient* Temperature [°C] to maintain working temperature of 85°C										
Ambient Temperature [°C]	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Derating Coefficient [d]	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47
*environment around the terminal blocks inside the enclosure										

Increase the number of outputs with one input using a jumper on blocks with a Max Current Rating, IEC up to 160 A.
 Blocks with 1,000 VAC/DC Max Working Voltage, UL are ideal for solar applications.

UFS nVent ERIFLEX Flexibar and IBSB Support Kit



- Kit includes one rail and 24 retaining blocks
- Create up to three 650 mm (25.6") supports capable of holding four nVent ERIFLEX Flexibar
- Retaining blocks are halogen free
- RoHS compliant



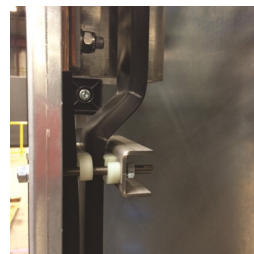
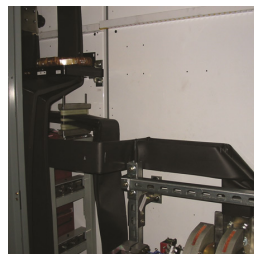
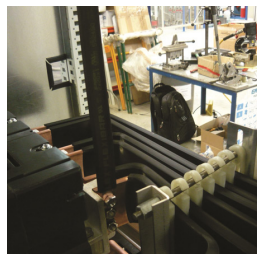
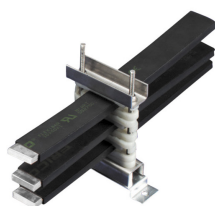
Material: Aluminum, Polyamide



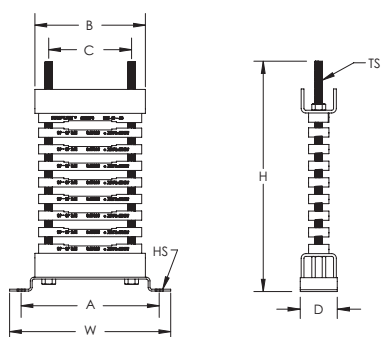
Part Number	Article Number	Conductor Thickness	Conductor Width	Height H	Length L	Width W	A	B	Unit Weight
UFS-KIT	553590	2 – 8 mm	15.5 – 120.0 mm	57.5 mm	2,000 mm	30 mm	24 mm	15 mm	2.3 kg

Recommended distance between supports is 400 mm (15 3/4").

RFS Reinforced nVent ERIFLEX Flexibar Support



- Supports up to eight conductors in parallel
- Ensures correct spacing for optimum cooling
- Easy to install
- Spacers are halogen free
- RoHS compliant



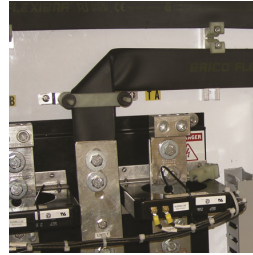
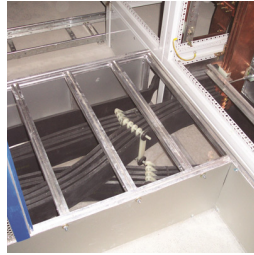
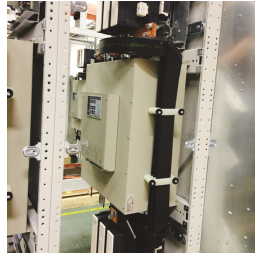
Material: Stainless Steel 304 (EN 1.4301), Polyamide



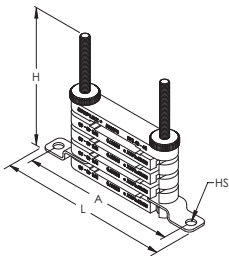
Part Number	Article Number	Conductor Width (mm)	D (mm)	H (mm)	W (mm)	HS (mm)	TS	A (mm)	B (mm)	C (mm)	Unit Weight (kg)
RFS40-63	553370	40 – 63	40	210	175	9	M8	150	120	90	0.93
RFS80-100	553380	80 – 100	40	210	225	9	M10	200	170	140	1.43

Recommended distance between supports is 400 mm (15 3/4").

FS Spacer Clamp



- Provides support for nVent ERIFLEX Flexibar and insulated braided conductors without damaging the insulation
- Ensures correct spacing for optimum cooling
- Supports up to four conductors in parallel
- Easy to install
- Spacers are halogen free
- RoHS compliant



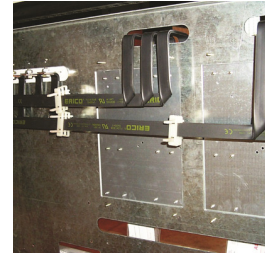
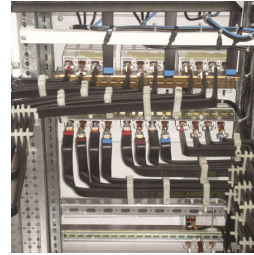
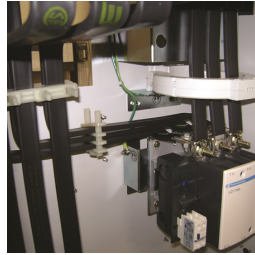
Finish: Electrogalvanized
 Material: Steel, Polyamide
 Working Temperature: -40 to 130 °C
 Flammability Rating: UL® 94HB



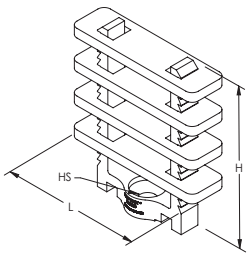
Part Number	Article Number	Conductor Width	Height H	Length L	Hole Size HS	A	Unit Weight
FS40-63	553570	40 – 63 mm	95 mm	166 mm	8.5 mm	150 mm	0.10 kg
FS80-100	553580	80 – 100 mm	140 mm	224 mm	8.5 mm	200 mm	0.25 kg

Recommended distance between supports is 400 mm (15 3/4").

FS Spacer Clamp, Snap Close



- Provides support for nVent ERIFLEX Flexibar and insulated braided conductors without damaging the insulation
- Ensures correct spacing for optimum cooling
- Supports up to four conductors in parallel
- Easy to install
- Halogen free
- RoHS compliant



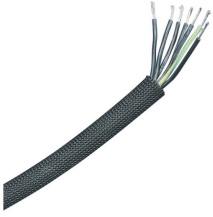
Material: Polyamide
 Working Temperature: -40 to 130 °C
 Flammability Rating: UL® 94HB



Part Number	Article Number	Conductor Width	Height H	Length L	Hole Size HS	Unit Weight
FS24	553550	24 mm Max	67 mm	30 mm	7 mm	0.015 kg
FS32	553560	32 mm Max	67 mm	38 mm	7 mm	0.018 kg

Recommended distance between supports is 400 mm (15 3/4").

FGBS Fiberglass Braided Sleeve



- Fiberglass impregnated with high temperature silicone varnish
- Resistant to high temperature
- Thermal insulation and mechanical protection
- Halogen free

Material: Fiberglass

Working Temperature: -70 to 300 °C

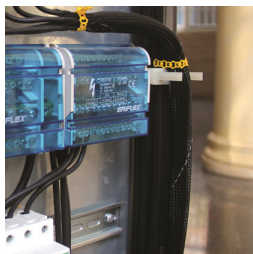
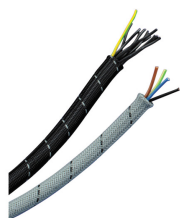
Flammability Rating: UL® 1441 VW-1



Part Number	Article Number	Diameter	Color	Length	Unit Weight
FGBS4	556200	9 mm Max, 4 mm Nom	Black	100 m	0.012 kg
FGBS8	556210	20 mm Max, 8 mm Nom	Black	100 m	0.014 kg
FGBS10	556220	22 mm Max, 10 mm Nom	Black	100 m	0.016 kg
FGBS12	556230	28 mm Max, 12 mm Nom	Black	100 m	0.018 kg
FGBS15	556240	40 mm Max, 16 mm Nom	Black	100 m	0.030 kg
FGBS20	556250	55 mm Max, 20 mm Nom	White	50 m	0.044 kg

Unit weight is per meter [3.28'].

PDBS Polyamide Braided Sleeve



- Expandable cabling sleeves for many applications
- Flexible bundling and mechanical protection of electrical cables and wires
- Packed in easy dispense boxes
- Halogen free
- RoHS compliant

Material: Polyamide

Working Temperature: -40 to 120 °C

Density: 1.14 kg/m³

Flammability Rating: UL® 94V-2



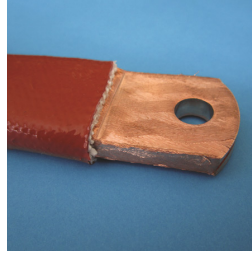
Part Number	Article Number	Diameter	Length	Unit Weight
Color: Black				
PDBS5B	554730	5 mm	100 m	0.004 kg
PDBS8B	554750	8 mm	100 m	0.006 kg
PDBS10B	554760	10 mm	100 m	0.008 kg
PDBS12B	554770	12 mm	50 m	0.010 kg
PDBS16B	554790	16 mm	50 m	0.130 kg
PDBS20B	554810	20 mm	50 m	0.018 kg
PDBS30B	554830	30 mm	50 m	0.027 kg
PDBS40B	554850	40 mm	50 m	0.036 kg
Color: Gray				
PDBS5G	554430	5 mm	100 m	0.004 kg
PDBS8G	554450	8 mm	100 m	0.006 kg
PDBS10G	554460	10 mm	100 m	0.008 kg
PDBS12G	554470	12 mm	50 m	0.010 kg
PDBS16G	554490	16 mm	50 m	0.130 kg
PDBS20G	554510	20 mm	50 m	0.018 kg
PDBS30G	554530	30 mm	50 m	0.027 kg
PDBS40G	554550	40 mm	50 m	0.036 kg

Coverage Efficiency						
Part Number	Diameter					
	Nom	Coverage	Min	Coverage	Max	Coverage
PDBS5x	5 mm	97%	4 mm	100%	8 mm	90%
PDBS8x	8 mm	94%	6 mm	100%	10 mm	91%
PDBS10x	10 mm	95%	8 mm	100%	14 mm	94%
PDBS12x	12 mm	96%	10 mm	100%	16 mm	94%
PDBS16x	16 mm	96%	14 mm	100%	18 mm	98%

Coverage Efficiency						
Part Number	Diameter					
	Nom	Coverage	Min	Coverage	Max	Coverage
PDBS20x	20 mm	95%	16 mm	100%	25 mm	99%
PDBS30x	30 mm	90%	20 mm	100%	35 mm	92%
PDBS40x	40 mm	90%	30 mm	100%	45 mm	94%

Unit weight is per meter [3.28'].

SBS Isolating Silicone Sleeve



- Resistant to high temperature
- Cost effective sleeve for insulation
- High flexibility
- Halogen free

Material: Fiberglass, Silicone

Insulation Voltage: 2.5 kV

Max Working Voltage, IEC (Ui): 690 VAC/DC

Max Working Voltage, UL (Vin): 690 VAC/DC

Working Temperature: -60 to 220 °C

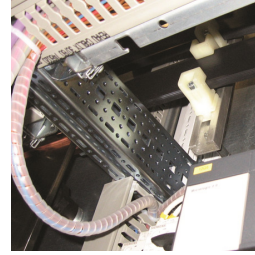
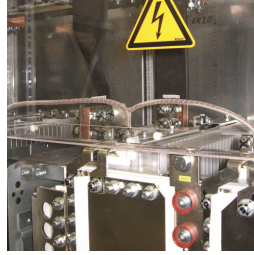
Flammability Rating: UL® 1441 VW-1



Part Number	Article Number	Diameter	Length	Unit Weight
SBS-4	554000	4 mm	100 m	0.020 kg
SBS-6	554010	6 mm	100 m	0.038 kg
SBS-8	554020	8 mm	100 m	0.050 kg
SBS-10	554030	10 mm	100 m	0.054 kg
SBS-12	554040	12 mm	100 m	0.070 kg
SBS-15	554050	15 mm	25 m	0.111 kg
SBS-20	554060	20 mm	25 m	0.148 kg
SBS-25	554070	25 mm	30 m	0.185 kg
SBS-30	554080	30 mm	30 m	0.222 kg

Unit weight is per meter [3.28'].

nVent ERIFLEX Spirflex Spiral Sleeve



- Expandable cabling sleeves for many applications
- Spiral structure allow cables to branch out at any point
- Flexible bundling and mechanical protection of electrical cables and wires
- Packed in easy dispense boxes
- Halogen free

Material: Polyethylene

Working Temperature: -50 to 85 °C

Flammability Rating: UL® 94HB



Part Number	Article Number	Diameter	Length	Unit Weight
Color: Black				
SPIRFLEX-I6	556000	6 mm	50 m	0.012 kg
SPIRFLEX-I12	556010	12 mm	25 m	0.034 kg
SPIRFLEX-I16	556020	16 mm	25 m	0.046 kg
SPIRFLEX-I22	556030	22 mm	25 m	0.060 kg
Color: White				
SPIRFLEX-X6	556100	6 mm	50 m	0.012 kg
SPIRFLEX-X12	556110	12 mm	25 m	0.034 kg

Unit weight is per meter [3.28'].

nVent ERIFLEX Zipflex Sleeve



- Quick and easy screening
- Installation tool included
- Halogen free

Material: Polypropylene

Color: Black

Working Temperature: -30 to 140 °C

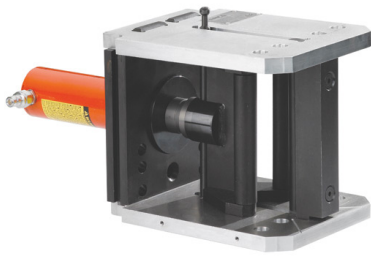
Flammability Rating: UL® 94HB



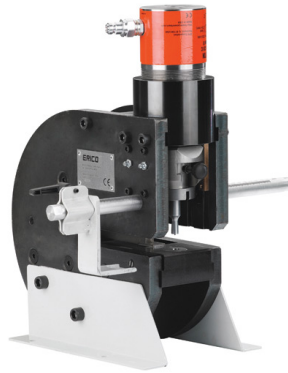
Part Number	Article Number	Diameter	Length	Unit Weight
ZFX100M8MMBK	554880	8 mm	100 m	0.015 kg
ZFX50M15MMBK	554890	15 mm	50 m	0.044 kg
ZFX30M20MMBK	554900	20 mm	30 m	0.070 kg
ZFX20M25MMBK	554910	25 mm	20 m	0.100 kg

Unit weight is per meter [3.28'].

Hydraulic Tools



Hydraulic Flexible/Non-Flexible Busbar Bender



Hydraulic Flexible/Non-Flexible Busbar Puncher



Hydraulic Flexible/Non-Flexible Busbar Work Center, 230 V



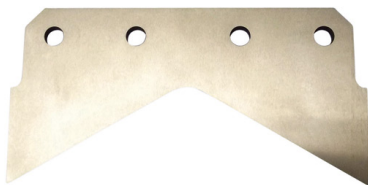
Hydraulic nVent ERIFLEX Flexibar Shearing Tool



Hydraulic nVent ERIFLEX Flexibar Shearing Tool Replacement Blade



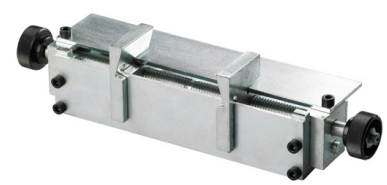
Hydraulic Busbar Cutter



Hydraulic Busbar Cutter Replacement Blade



Hydraulic Cutter Support Extension with Ruler



HFST-B nVent ERIFLEX Flexibar Shearing Tool Guide



Hydraulic Pump and Foot Controller

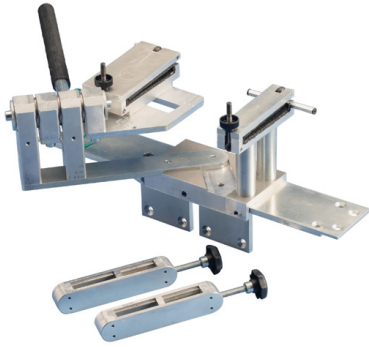


Hydraulic Oil



Hydraulic Puncher Accessories

Manual Tools



nVent ERIFLEX
Flexibar Folding Tools



MFBT-2 nVent ERIFLEX
Flexibar Manual Bending Tool



HFBT nVent ERIFLEX
Flexibar Bending Tool



MFST-2 nVent ERIFLEX
Flexibar Stripping Tool
and Replacement Blade



MFSHT-2 nVent ERIFLEX
Flexibar Manual Shearing
Tool and Replacement Blade



MHYFSHT Manual Hydraulic nVent
ERIFLEX Flexibar Shearing Tool



MFPT nVent ERIFLEX Flexibar
Punching Tool and Accessories



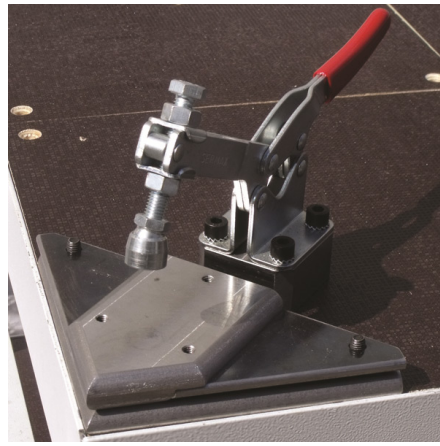
MFTT-2 nVent ERIFLEX
Flexibar Manual Twisting Tool



MFTK Manual nVent
ERIFLEX Flexibar Tool Kit



MFWC Manual nVent ERIFLEX Flexibar Work Center



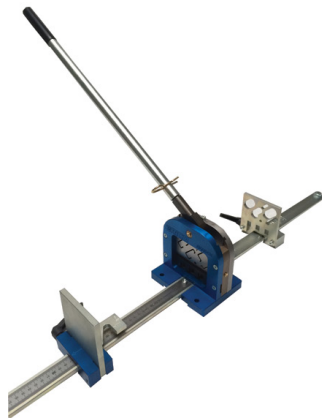
nVent ERIFLEX Flexibar Small Bending and Folding Tool



SOK nVent ERIFLEX Flexibar Stripping Knife



BD Crimp and Drill Tool



MDRCPT-2 Manual Din Rail Cutting and Punching Tool



nVent ERIFLEX Flexidrill Drill Guide



PBSC Cutting Tool for Braided Sleeves and Replacement Wire

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WARNING

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