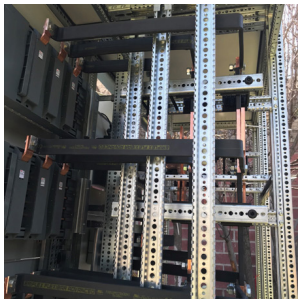
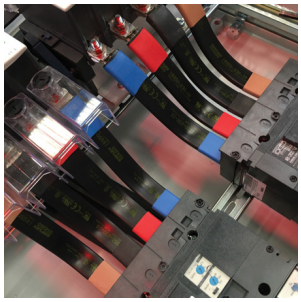
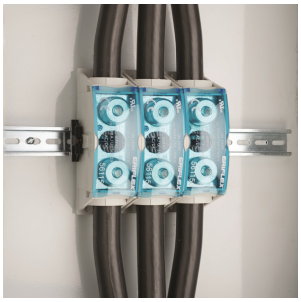
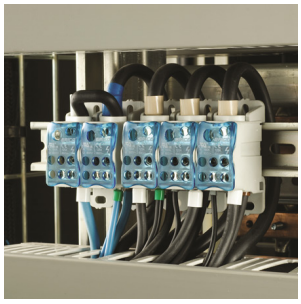
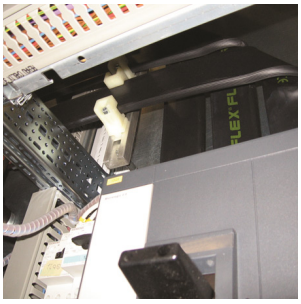
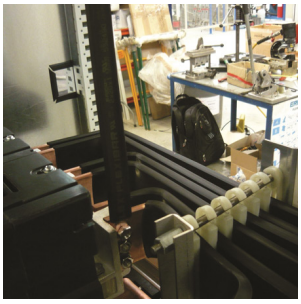
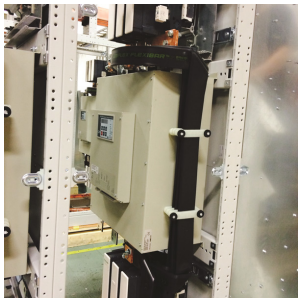
# LOW VOLTAGE POWER AND GROUNDING CONNECTIONS

## FEATURED PRODUCTS



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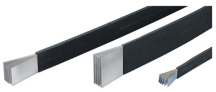
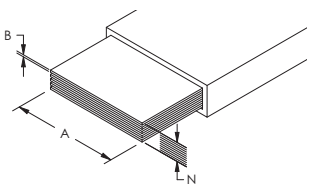
# nVent ERIFLEX Flexibar Advanced, Tinned Copper

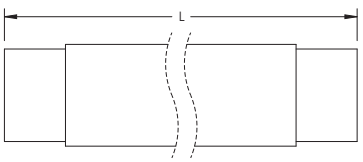




After extensive research, nVent ERIFLEX is proud to establish a new gold standard in terms of insulation for flexible busbar called nVent ERIFLEX Flexibar Advanced. The new product is low smoke, halogen-free and flame retardant all while maintaining the level of flexibility and reliability that our partners 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 (mm²) | 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 (mm²) | 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 (mm²) | 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 (mm²) | 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, |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 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 (mm²) | 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 (mm²) | 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 FLEXADV, 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 FLEXADV, 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 FLEXADV, 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 FLEXADV, 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

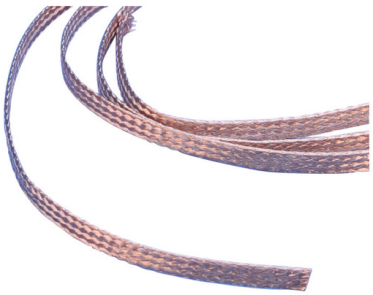
CPI Grounding and Bonding Braid, Stainless Steel

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

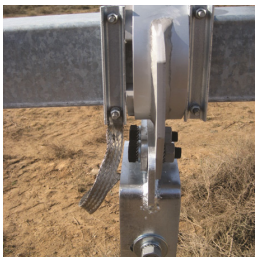
BJ Round Braid with Crimped Lugs



Braids in Coils

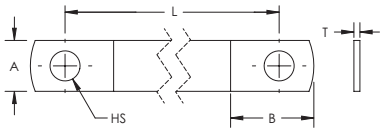
# MBJ Grounding and Bonding Braid, Tinned Copper





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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 150 mm | 10.5 mm | 22 mm | 28.0 mm | 0.047 kg | Bureau Veritas, cULus, RoHS |

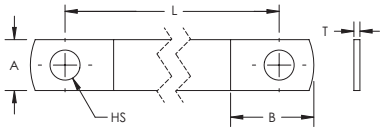
| Part Number | Article Number | Ampacity | Thickness T | Cross Section | Length L | Hole Size HS | A | B | Unit Weight | Certifications |
|---|---|---|---|---|---|---|---|---|---|---|
| MBJ30-200-10 | 556740 | 180 A | 2.0 mm | 30 mm² | 200 mm | 10.5 mm | 22 mm | 28.0 mm | 0.062 kg | Bureau Veritas, cULus, RoHS |
| MBJ30-250-10 | 556750 | 180 A | 2.0 mm | 30 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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

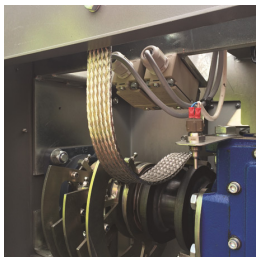



Material: Copper, Polyolefin
Finish: Tinned
Dielectric Strength: 15 kV/mm
Flammability Rating: UL® 224 VW-1
Halogen Free Rating: EN 14582
Nominal Voltage, UL/CSA/IEC: 600 V
Working Temperature: -55 to 125 °C
Complies With: IEC® 60439.1, IEC® 61439.1

| 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 mm² | 100 mm | 6.5 mm | 11 mm | 18 mm | 0.012 kg |
| MBJYG6-150-6 | 563602 | 40 A | 1.1 mm | 6 mm² | 150 mm | 6.5 mm | 11 mm | 18 mm | 0.017 kg |
| MBJYG6-200-6 | 563603 | 40 A | 1.1 mm | 6 mm² | 200 mm | 6.5 mm | 11 mm | 18 mm | 0.023 kg |
| MBJYG6-250-6 | 563604 | 40 A | 1.1 mm | 6 mm² | 250 mm | 6.5 mm | 11 mm | 18 mm | 0.028 kg |
| MBJYG6-300-6 | 563605 | 40 A | 1.1 mm | 6 mm² | 300 mm | 6.5 mm | 11 mm | 18 mm | 0.033 kg |
| MBJYG10-100-6 | 563606 | 75 A | 1.1 mm | 10 mm² | 100 mm | 6.5 mm | 11 mm | 18 mm | 0.012 kg |
| MBJYG10-150-6 | 563607 | 75 A | 1.1 mm | 10 mm² | 150 mm | 6.5 mm | 11 mm | 18 mm | 0.017 kg |
| MBJYG10-200-6 | 563608 | 75 A | 1.1 mm | 10 mm² | 200 mm | 6.5 mm | 11 mm | 18 mm | 0.023 kg |
| MBJYG10-250-6 | 563609 | 75 A | 1.1 mm | 10 mm² | 250 mm | 6.5 mm | 11 mm | 18 mm | 0.028 kg |

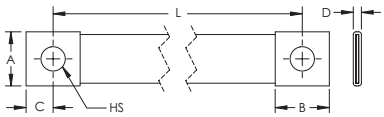
| Part Number | Article Number | Ampacity | Thickness T | Cross Section | Length L | Hole Size HS | A | B | Unit Weight |
|---|---|---|---|---|---|---|---|---|---|
| MBJYG10-300-6 | 563611 | 75 A | 1.1 mm | 10 mm² | 300 mm | 6.5 mm | 11 mm | 18 mm | 0.033 kg |
| MBJYG16-100-8 | 563612 | 120 A | 1.5 mm | 16 mm² | 100 mm | 8.5 mm | 15 mm | 20 mm | 0.020 kg |
| MBJYG16-150-8 | 563613 | 120 A | 1.5 mm | 16 mm² | 150 mm | 8.5 mm | 15 mm | 20 mm | 0.028 kg |
| MBJYG16-200-8 | 563614 | 120 A | 1.5 mm | 16 mm² | 200 mm | 8.5 mm | 15 mm | 20 mm | 0.036 kg |
| MBJYG16-250-8 | 563615 | 120 A | 1.5 mm | 16 mm² | 250 mm | 8.5 mm | 15 mm | 20 mm | 0.044 kg |
| MBJYG16-300-8 | 563616 | 120 A | 1.5 mm | 16 mm² | 300 mm | 8.5 mm | 15 mm | 20 mm | 0.052 kg |
| MBJYG25-100-8 | 563617 | 150 A | 1.9 mm | 25 mm² | 100 mm | 8.5 mm | 20 mm | 28 mm | 0.030 kg |
| MBJYG25-150-8 | 563618 | 150 A | 1.9 mm | 25 mm² | 150 mm | 8.5 mm | 20 mm | 28 mm | 0.044 kg |
| MBJYG25-200-8 | 563619 | 150 A | 1.9 mm | 25 mm² | 200 mm | 8.5 mm | 20 mm | 28 mm | 0.056 kg |
| MBJYG25-250-8 | 563621 | 150 A | 1.9 mm | 25 mm² | 250 mm | 8.5 mm | 20 mm | 28 mm | 0.069 kg |
| MBJYG25-300-8 | 563622 | 150 A | 1.9 mm | 25 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 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 mm² | 600 mm | 13.0 mm | 26.5 mm | 30 mm | 15 mm | 4.0 mm | 0.195 kg | ABS, Bureau Veritas, |

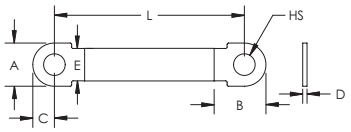
| Part Number | Article Number | Cross Section | Length L | Hole Size HS | A | B | C | D | Unit Weight | Certifications |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | cULus, RoHS |
| CPI50-150-12 | 554343 | 50 mm² | 150 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.111 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI50-200-12 | 554344 | 50 mm² | 200 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.130 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI50-250-12 | 554345 | 50 mm² | 250 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.150 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI50-300-12 | 554346 | 50 mm² | 300 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.170 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI50-400-12 | 554348 | 50 mm² | 400 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.209 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI50-600-12 | 554352 | 50 mm² | 600 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.0 mm | 0.288 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-1100-12 | 554384 | 70 mm² | 1,100 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.664 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-150-12 | 554365 | 70 mm² | 150 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.139 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-200-12 | 554366 | 70 mm² | 200 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.167 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-250-12 | 554367 | 70 mm² | 250 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.194 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-300-12 | 554368 | 70 mm² | 300 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.222 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-400-12 | 554370 | 70 mm² | 400 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.277 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, cULus, RoHS |
| CPI70-600-12 | 554374 | 70 mm² | 600 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.388 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, 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 mm² | 800 mm | 13.0 mm | 30.0 mm | 30 mm | 15 mm | 5.8 mm | 0.498 kg | ABS, Bureau Veritas, CE, ERIFLEX CPI, 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

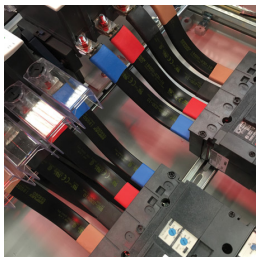
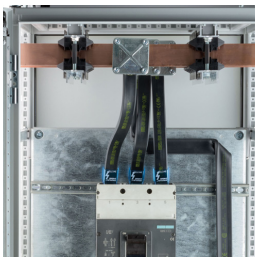


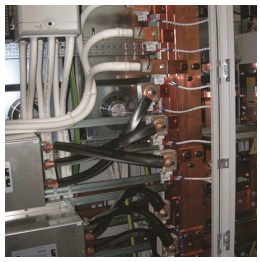

Material: Stainless Steel 316L (EN 1.4404)
Certification Details: UL® 467
Complies With: IEC® 60439.1, IEC® 61439.1

| Part Number | Article Number | Cross Section (mm²) | 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 (mm²) | 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.

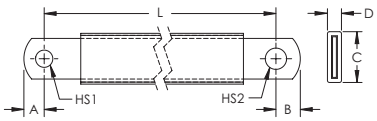
The advanced technology insulation is a high-resistance low smoke, halogen-free and flame retardant thermoplastic.

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 (mm²) | 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 (Ipk): 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 (Ipk): 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 (Ipk): 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 (Ipk): 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 (Ipk): 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL |
| Typical Application Current Rating: 500 A – Peak Short Circuit Current (Ipk): 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, 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 | ABS, Bureau Veritas, CE, CSA, cURus, DNV GL, EAC, RoHS, UL |

| Part Number | Article Number | Cross Section (mm²) | 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 (Ipk): 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 (mm²/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<br>NG 125 | NSX 100<br>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<br>T2<br>XT1<br>XT2 | - | T3<br>XT3<br>XT4 | T3<br>XT3<br>XT4 | T4 | T4 | T5 | T5 | T5 |
| ABB® Tmax® (UL) | T1<br>T2<br>XT1<br>XT2 | T3 | T4<br>XT3<br>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<br>3VL1<br>VL160<br>3VL2 | - | VL250<br>3VL3 | VL250<br>3VL3 | VL400<br>3VL4 | VL400<br>3VL4 | VL400<br>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<br>DPX3 160 | - | DPX 250<br>DPX3 250 | DPX 250<br>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<br>H-Frame | - | I-Frame<br>J-Frame | I-Frame<br>J-Frame | I-Frame<br>J-Frame | - | K-Frame | K-Frame | - |
| Mitsubishi Electric (IEC) | - | NF125<br>NF160<br>DSN125<br>DSN160 | NF250<br>DSN250 | NF250<br>DSN250 | - | NF400<br>DSN400 | - | - | - |
| OEZ (IEC) | BC160N | - | BD250N<br>BD250S | - | BH630B<br>BH630S | BH630B<br>BH630S | BH630B<br>BH630S | BH630B<br>BH630S | BH630B<br>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.

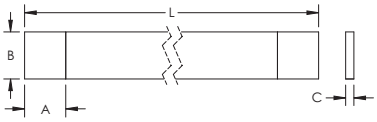
Distance between supports must not exceed 630 mm (17.8") according to IEC 61439-1.

# 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

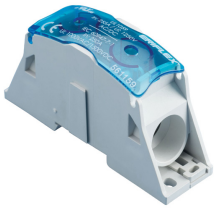
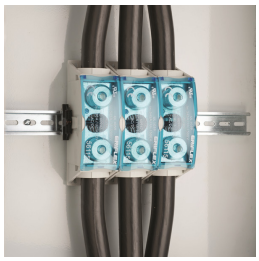
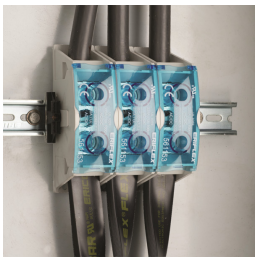
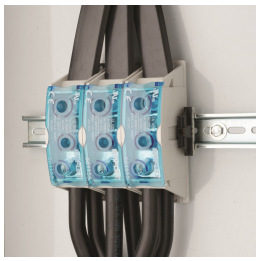



Material: Copper
Finish: Tinned
Wire Diameter: 0.15 mm

| Part Number | Article Number | Cross Section | ΔT 30 K | ΔT 50 K | Length L | A | B | C | 2 Bar Current Coefficient |
|---|---|---|---|---|---|---|---|---|---|
| PBC100X250 | 564000 | 100 mm² | 349 A | 462 A | 250 mm | 35 mm | 40 mm | 7.0 mm | 1.72 |
| PBC100X500 | 564050 | 100 mm² | 349 A | 462 A | 500 mm | 35 mm | 40 mm | 7.0 mm | 1.72 |
| PBC120X250 | 564010 | 120 mm² | 385 A | 511 A | 250 mm | 35 mm | 40 mm | 7.5 mm | 1.72 |
| PBC150X250 | 564100 | 150 mm² | 440 A | 583 A | 250 mm | 55 mm | 50 mm | 8.0 mm | 1.72 |
| PBC150X500 | 564150 | 150 mm² | 440 A | 583 A | 500 mm | 55 mm | 50 mm | 8.0 mm | 1.72 |
| PBC200X250 | 564200 | 200 mm² | 550 A | 729 A | 250 mm | 55 mm | 50 mm | 9.0 mm | 1.72 |
| PBC200X500 | 564250 | 200 mm² | 550 A | 729 A | 500 mm | 55 mm | 50 mm | 9.0 mm | 1.72 |
| PBC250X300 | 564300 | 250 mm² | 651 A | 863 A | 300 mm | 85 mm | 50 mm | 10.5 mm | 1.72 |
| PBC300X400 | 564400 | 300 mm² | 716 A | 948 A | 400 mm | 85 mm | 60 mm | 11.0 mm | 1.65 |
| PBC400X400 | 564500 | 400 mm² | 853 A | 1,131 A | 400 mm | 85 mm | 80 mm | 11.0 mm | 1.60 |
| PBC500X400 | 564600 | 500 mm² | 917 A | 1,216 A | 400 mm | 105 mm | 100 mm | 11.0 mm | 1.65 |
| PBC600X450 | 564700 | 600 mm² | 1,101 A | 1,459 A | 450 mm | 105 mm | 100 mm | 13.0 mm | 1.60 |
| PBC800X450 | 564800 | 800 mm² | 1,376 A | 1,823 A | 450 mm | 105 mm | 100 mm | 14.0 mm | 1.60 |
| PBC1000X450 | 564900 | 1,000 mm² | 1,651 A | 2,188 A | 450 mm | 105 mm | 100 mm | 16.0 mm | 1.60 |
| PBC1200X500 | 564030 | 1,200 mm² | 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.

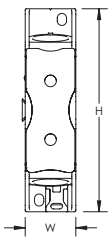
# Power Block

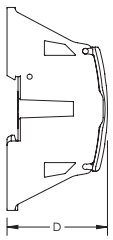







nVent ERIFLEX Power Blocks are the main DIN mounted output/input devices for connection between primary and secondary switchboard, or main input/output connection for machine or industrial equipment (such as invertor, air conditioning machines, etc.). The high short circuit rated large cross section 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 mm² | 16 mm² | 3.0 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB80 | 561150 | Cable-Cable | 100 A | Copper, Thermoplastic | 16 mm² | 16 mm² | 3.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB125 | 561158 | Cable-Cable | 170 A | Copper, Thermoplastic | 35 mm² | 35 mm² | 6.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB125AL | 561161 | Cable-Cable | 180 A | Aluminum, Thermoplastic | 35 mm² | 35 mm² | 6.0 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |

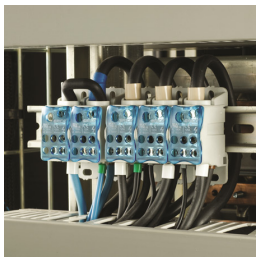
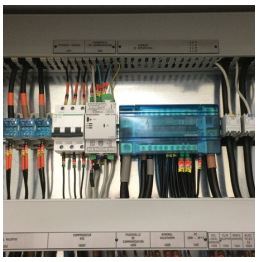
| Part Number | Article Number | Type | Typical Application Current Rating, IEC | Material | Line Side Max Conductor Size, IEC | Load Side Max Conductor Size, IEC | Short Term Withstand Current (Icw) 1s | Certifications |
|---|---|---|---|---|---|---|---|---|
| SB160AL | 561162 | Cable-Cable | 230 A | Aluminum, Thermoplastic | 70 mm² | 70 mm² | 14.4 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB160 | 561151 | Cable-Cable | 250 A | Copper, Thermoplastic | 70 mm² | 70 mm² | 14.4 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB250AL | 561163 | Cable-Cable | 400 A | Aluminum, Thermoplastic | 120 mm² | 120 mm² | 14.4 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB250 | 561159 | Cable-Cable | 400 A | Copper, Thermoplastic | 120 mm² | 120 mm² | 14.4 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB400AL | 561164 | Cable-Cable | 500 A | Aluminum, Thermoplastic | 240 mm² | 240 mm² | 28.8 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB400 | 561152 | Cable-Cable | 500 A | Copper, Thermoplastic | 240 mm² | 240 mm² | 28.8 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB630AL | 561168 | Cable-Cable | 630 A | Aluminum, Thermoplastic | 500 mm² | 500 mm² | 60.0 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB630 | 561156 | Cable-Cable | 630 A | Copper, Thermoplastic | 500 mm² | 500 mm² | 60.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB2C400AL | 561166 | Cable-2 Cables | 400 A | Aluminum, Thermoplastic | 240 mm² | (2) 120 mm² | 28.8 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SB2C250 | 561170 | Cable-2 Cables | 400 A | Copper, Thermoplastic | 120 mm² | (2) 120 mm² | 14.4 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL |
| SB2C400 | 561154 | Cable-2 Cables | 400 A | Copper, Thermoplastic | 240 mm² | (2) 120 mm² | 28.8 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SB2C1000AL | 561174 | Cable-2 Cables | 1,000 A | Aluminum, Thermoplastic | 500 mm² | (2) 300 mm² | 72.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL |
| SB2C2C1000AL | 561175 | 2 Cables-2 Cables | 1,000 A | Aluminum, Thermoplastic | (2) 300 mm² | (2) 300 mm² | 72.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL |
| SBF250 | 561171 | Flexibar-Cable | 250 A | Copper, Thermoplastic | 70 mm² | 120 mm² | 14.4 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL, UR |
| SBF400AL | 561165 | Flexibar-Cable | 400 A | Aluminum, Thermoplastic | 100 mm² | 240 mm² | 28.8 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SBF400 | 561153 | Flexibar-Cable | 400 A | Copper, Thermoplastic | 100 mm² | 240 mm² | 28.8 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SBF630AL | 561169 | Flexibar-Cable | 630 A | Aluminum, Thermoplastic | 240 mm² | 500 mm² | 60.0 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SBF630 | 561157 | Flexibar-Cable | 630 A | Copper, Thermoplastic | 240 mm² | 500 mm² | 60.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SBF2C400AL | 561167 | Flexibar-2 Cables | 400 A | Aluminum, Thermoplastic | 100 mm² | (2) 120 mm² | 28.8 kA | CE, ERIFLEX SB, cURus, EN 45545, RoHS |
| SBF2C400 | 561155 | Flexibar-2 Cables | 400 A | Copper, Thermoplastic | 100 mm² | (2) 120 mm² | 28.8 kA | CE, ERIFLEX SB, EN 45545, RoHS, UR |
| SBF2C250 | 561172 | Flexibar-2 Cables | 400 A | Copper, Thermoplastic | 70 mm² | (2) 120 mm² | 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 mm² | 240 mm² | 60.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL |
| SBF3C1000AL | 561176 | Flexibar-3 Cables | 1,000 A | Aluminum, Thermoplastic | 500 mm² | (3) 300 mm² | 72.0 kA | CE, ERIFLEX SB, EN 45545, RoHS, UL |
| SBF4C1600AL | 561177 | Flexibar-4 Cables | 1,600 A | Aluminum, Thermoplastic | 800 mm² | (4) 300 mm² | 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

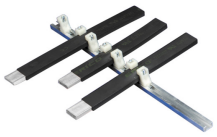
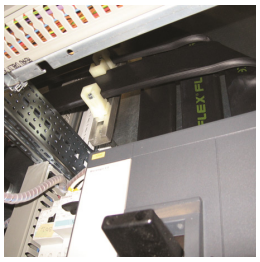
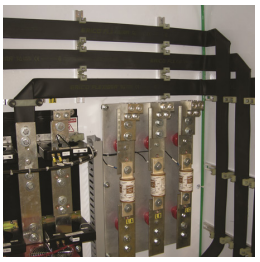
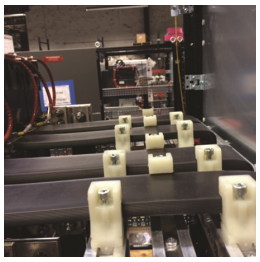
| Part Number | Article Number | Max Current Rating, IEC | Max Current Rating, UL/CSA | Line Side Connection | Load Side Connection | Material | Line Side Max Conductor Size, IEC | Load Side Max Conductor Size, IEC | Max Working Voltage, IEC (Ui) | Max Working Voltage, UL (Vin) | Certifications |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UD-80A | 569010 | 80 A | 85 A | Cable | 6 Cables | Copper, Thermoplastic | 16 mm² | 16 mm² | 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 mm² | 16 mm² | 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 mm² | 16 mm² | 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 mm² | 35 mm² | 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 mm² | 16 mm² | 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 mm² | 35 mm² | 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 mm² | 10 mm² | 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 mm² | 10 mm² | 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 mm² | 10 mm² | 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 mm² | 10 mm² | 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 mm² | 35 mm² | 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 mm² | 50 mm² | 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 mm² | 50 mm² | 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 mm² | 25 mm² | 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 mm² | 25 mm² | 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 mm² | 25 mm² | 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 mm² | 25 mm² | 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 mm² | 25 mm² | 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 mm² | 25 mm² | 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 mm² | 95 mm² | 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 mm² | 95 mm² | 1,000 VAC, 1,500 VDC | 1,000 VAC/DC | EN 45545, UL |

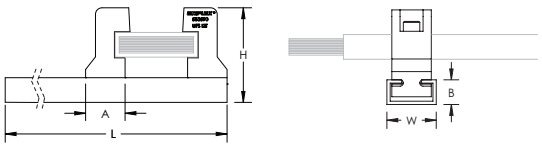
| Design Guideline for Distribution Blocks, Power Blocks and Power Terminals | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Derating according to Ambient* Temperature (°C) to maintain working temperature of 85°C | | | | | | | | | | |
| Ambient Temperature (°C) | 30° | 35° | 40° | 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

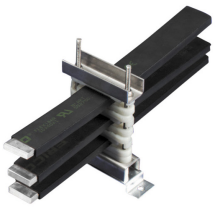
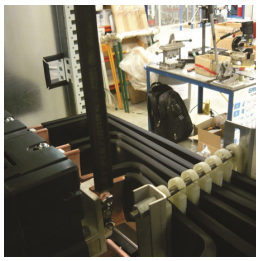


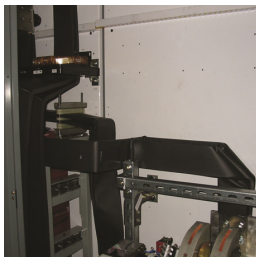
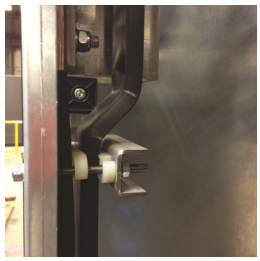

Material: Aluminum, Polyamide

| 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 |

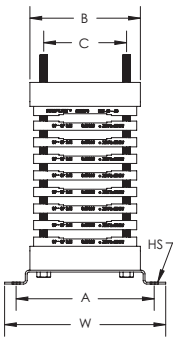
Recommended distance between supports is 400 mm (15 3/4").

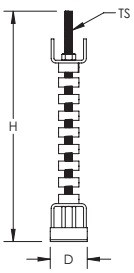
# RFS Reinforced nVent ERIFLEX Flexibar Support

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



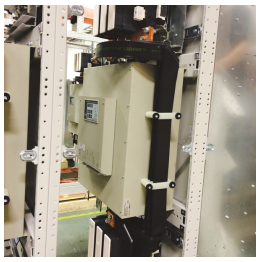



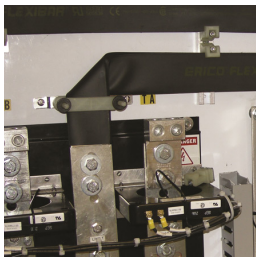

Material: Stainless Steel 304 (EN 1.4301), Polyamide

| 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 |

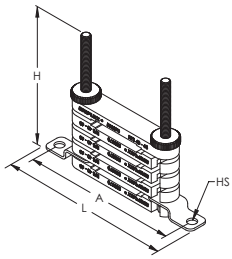
Recommended distance between supports is 400 mm (15 3/4").

# 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

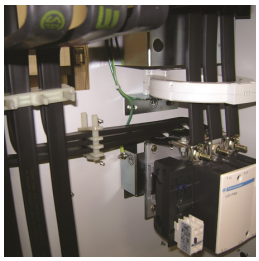
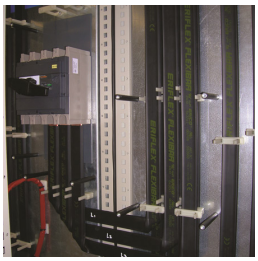
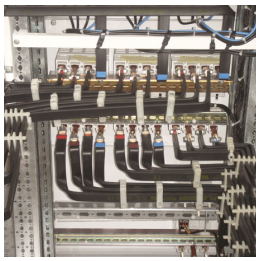
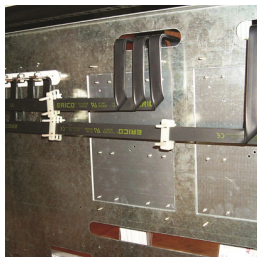



Finish: Electrogalvanized
Material: Steel, Polyamide
Working Temperature: -40 to 130 °C
Flammability Rating: UL® 94HB

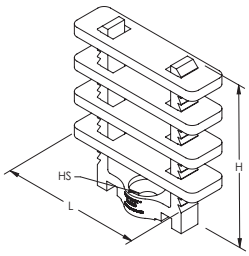
| Part Number | Article Number | Conductor Width | Height H | Length L | Hole Size HS | A | Unit Weight |
|---|---|---|---|---|---|---|---|
| FS40-63 | 553570 | 40 – 63 mm | 95 mm | 166 mm | 8.5 mm | 150 mm | 0.10 kg |
| FS80-100 | 553580 | 80 – 100 mm | 140 mm | 224 mm | 8.5 mm | 200 mm | 0.25 kg |

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

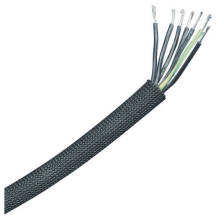



Material: Polyamide
Working Temperature: -40 to 130 °C
Flammability Rating: UL® 94HB

| 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

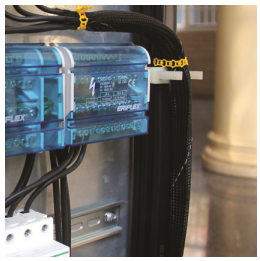
Material: Fiberglass
Working Temperature: -70 to 300 °C
Flammability Rating: UL® 1441 VW-1

| 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 |

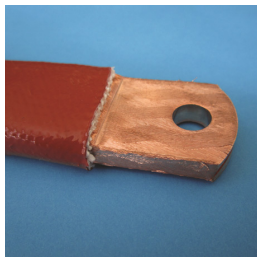
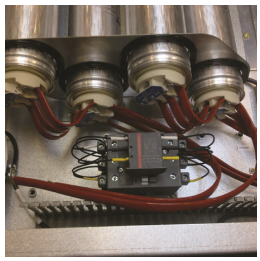
| Coverage Efficiency | | | | | | |
|---|---|---|---|---|---|---|
| Part Number | Diameter | | | | | |
| | Nom | Coverage | Min | Coverage | Max | Coverage |
| PDBS5x | 5 mm | 97% | 4 mm | 100% | 8 mm | 90% |
| PDBS8x | 8 mm | 94% | 6 mm | 100% | 10 mm | 91% |
| PDBS10x | 10 mm | 95% | 8 mm | 100% | 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

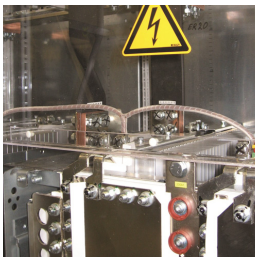
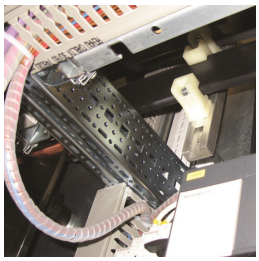
Material: Fiberglass, Silicone
Insulation Voltage: 2.5 kV
Max Working Voltage, IEC (Ui): 690 VAC/DC
Max Working Voltage, UL (Vin): 690 VAC/DC
Working Temperature: -60 to 220 °C
Flammability Rating: UL® 1441 VW-1

| 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

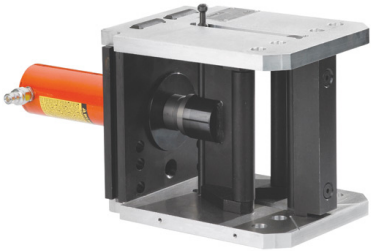
- Quick and easy screening
- Installation tool included
- Halogen free

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

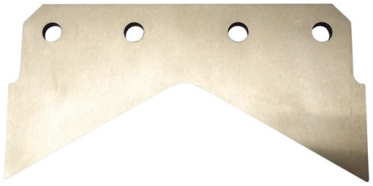
Hydraulic Flexible/Non-Flexible Busbar Puncher

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

Hydraulic nVent ERIFLEX Flexibar Shearing Tool

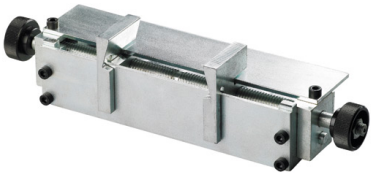
Hydraulic nVent ERIFLEX Flexibar Shearing Tool Replacement Blade

Hydraulic Busbar Cutter



Hydraulic Busbar Cutter Replacement Blade

Hydraulic Cutter Support Extension with Ruler



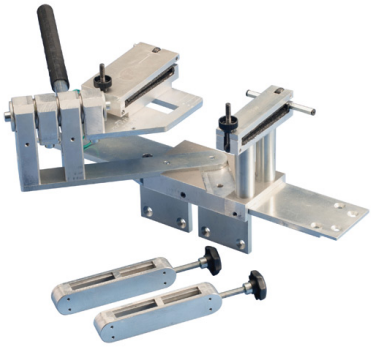
HFST-B nVent ERIFLEX Flexibar Shearing Tool Guide


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

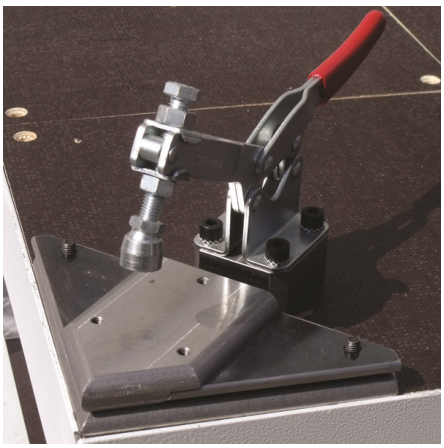
MHYFSHT Manual Hydraulic nVent
ERIFLEX Flexibar Shearing Tool


MFPT nVent ERIFLEX Flexibar
Punching Tool and Accessories

MFTT-2 nVent ERIFLEX
Flexibar Manual Twisting Tool

MFTK Manual nVent
ERIFLEX Flexibar Tool Kit

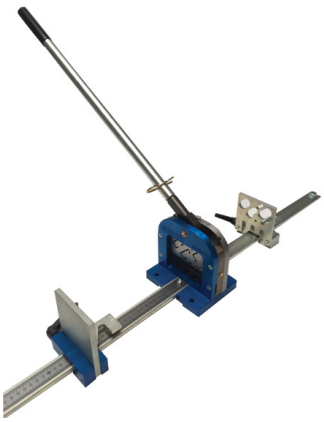
MFWC Manual nVent ERIFLEX Flexibar Work Center



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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