

Isolert Kobberlisse F 100-530 Insulated Braided Conductor IBSB ADV 100-530-8-10



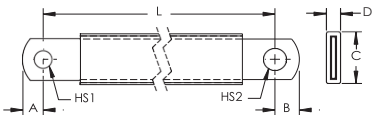
IBSB is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. It connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBSB is available in cross sections of 25 to 240 mm² and lengths from 165 to 1,130 mm.

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

The IBSB features integral pre-punched palms that are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue. The insulation is a halogen free thermoplastic elastomer.

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

- Suitable for all main molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- 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
- Small wire diameter provides maximum flexibility
- RoHS compliant



| | |
|---------------------------------|----------------------------|
| Part Number | IBSB ADV 100-530-8-10 |
| Article Number | 558628 |
| Finish | Tinned |
| Material | Copper Halogen free TPE |
| Dielectric Strength | 20 kV/mm |
| Flammability Rating | UL® 94V-0 |
| Max Working Voltage, IEC/UL 758 | 1,000 VAC |

| | |
|-----------------------------|---|
| Part Number | IBSB ADV 100-530-8-10 |
| Max Working Voltage, UL 67 | 1,500 VDC 600 VAC/DC |
| Working Temperature | 115 °C Max |
| Operating Temperature | -50 to 115 °C |
| Wire Diameter | 0.15 mm |
| Complies With | IEC® 60439.1 IEC® 61439.1 IEC® 61439.1 Class II |
| Cross Section | 100 mm ² |
| Conductor Width | 24 mm |
| Conductor Thickness | 5 mm |
| Length (L) | 530 mm |
| A | 9 mm |
| B | 11 mm |
| C | 31 mm |
| D | 13 mm |
| Hole Size 1 (HS1) | 8.5 mm |
| Hole Size 2 (HS2) | 10.5 mm |
| Unit Weight | 0.62 kg |
| Certifications | DNV Type Approval ABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 cURus EAC0234251 (Russian Federation) IEC 61439-1 Class II IBSB-IBSB-IBSBR IEC 61439-1 IBS-IBSB-IBSBR |
| Standard Packaging Quantity | 10 pc |
| UPC | |
| EAN-13 | 7090041500402 |

| Maximum Ampacity Ratings | | | | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------|---------------------------|
| Cross Section (mm ² /kcmil) | ΔT 30° C (A) | ΔT 40° C (A) | ΔT 45° C (A) | ΔT 50° C (A) | ΔT 55° C (A) | ΔT 60° C (A) | ΔT 70° C (A) | 2 Bar Current Coefficient | 3 Bar Current Coefficient |
| 25/49.34 | 116 | 134 | 142 | 150 | 157 | 164 | 177 | 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 |

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.
