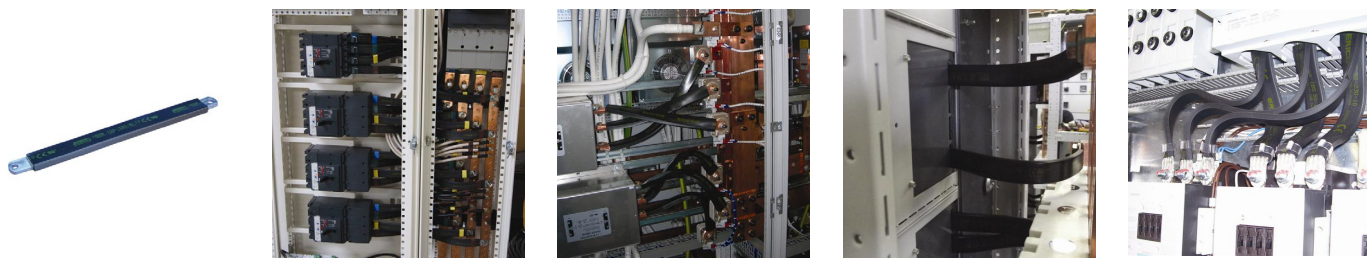


## Isolert Kobberlisse F100-165

## Insulated Braided Conductor IBSB ADV 100-165-10



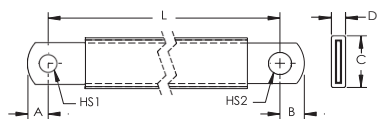
IBSB is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. It connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBSB is available in cross sections of 25 to 240 mm<sup>2</sup> 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 100-165-10
Article Number	558622
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 100-165-10
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 mm²
Conductor Width	24 mm
Conductor Thickness	5 mm
Length (L)	165 mm
A	9 mm
B	11 mm
C	31 mm
D	13 mm
Hole Size 1 (HS1)	10.5 mm
Hole Size 2 (HS2)	10.5 mm
Unit Weight	0.27 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 IBS-IBSB-IBSBR IEC 61439-1 IBS-IBSB-IBSBR
Standard Packaging Quantity	10 pc
UPC	
EAN-13	7090041500334

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	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.

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