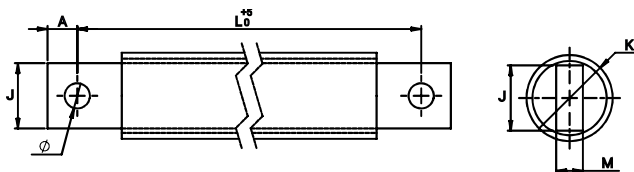


Round Insulated Braided Conductor IBS Advanced

IBS 120
IBS 185
IBS 240



	Part No.	IBS 120	S mm ²	L mm	Ø mm	A mm	J mm	M mm	K mm		 Kg
400 A	534514	IBS 120-330-10	120	330	10,5	12	24	10	27	2	0,51
	534515	IBS 120-430-10	120	430	10,5	12	24	10	27	2	0,67
	534516	IBS 120-530-10	120	530	10,5	12	24	10	27	2	0,82
	534517	IBS 120-630-10	120	630	10,5	12	24	10	27	2	0,98
	534518	IBS 120-830-10	120	830	10,5	12	24	10	27	2	1,29
	534519	IBS 120-1030-10	120	1030	10,5	12	24	10	27	2	1,6

	Part No.	IBS 185	S mm ²	L mm	Ø mm	A mm	J mm	M mm	K mm		 Kg
500 A	534520	IBS 185-330-10	185	330	10,5	12	24	15	31	2	0,82
	534521	IBS 185-430-10	185	430	10,5	12	24	15	31	2	1,07
	534522	IBS 185-530-10	185	530	10,5	12	24	15	31	2	1,26
	534523	IBS 185-630-10	185	630	10,5	12	24	15	31	2	1,48
	534524	IBS 185-830-10	185	830	10,5	12	24	15	31	2	1,9
	534525	IBS 185-1030-10	185	1030	10,5	12	24	15	31	2	2,3

	Part No.	IBS 240	S mm ²	L mm	Ø mm	A mm	J mm	M mm	K mm		 Kg
630 A	534526	IBS 240-330-12	240	330	12,5	13	32	15	36	2	1,03
	534527	IBS 240-430-12	240	430	12,5	13	32	15	36	2	1,34
	534528	IBS 240-530-12	240	530	12,5	13	32	15	36	2	1,65
	534529	IBS 240-630-12	240	630	12,5	13	32	15	36	2	1,96
	534530	IBS 240-830-12	240	830	12,5	13	32	15	36	2	2,58
	534531	IBS 240-1030-12	240	1030	12,5	13	32	15	36	2	3,2

Insulated Braided conductor type	Section mm ²	ΔT (K)							Current Coefficient 
		30	40	45	50	55	60	70	
IBS 120	120	325	376	398	420	441	460	497	1,6
IBS 185	185	407	470	499	526	552	576	622	1,6
IBS 240	240	488	563	598	630	661	690	745	1,6

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.

Advanced Insulated Braided IBSHY Conductor for Compact Circuit Breakers

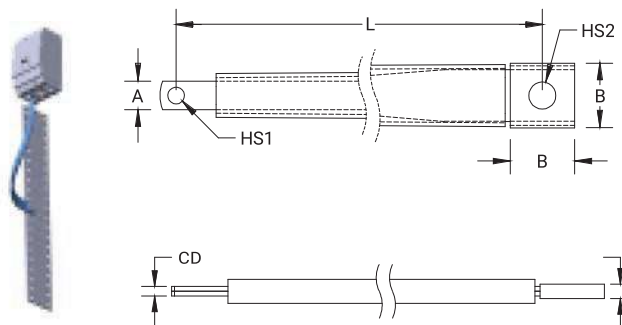


FEATURES

- Suitable for all main 125/160 A electrical devices and specifically 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
- Small wire diameter provides maximum flexibility
- Halogen-free solution for applications requiring a low smoke solution
- DNV-GL certified busbar systems for electrical installation for ship and marine application
- Conforms to NF EN 45545 obtaining an HL2 classification for chapters R22 and R23
- High working temperature
- RoHS compliant

IBSHY INSULATED BAIDED CONDUCTOR SPECIFICATIONS

- Typical Application Current Rating: 160 A
- Finish: Tinned
- Material: Copper; Glass Fibre Reinforced Silicon
- Flammability Rating: UL 1441 VW-1
- Max Working Voltage, IEC (Ui): 1 000 VAC; 1 500 VDC
- Operating Temperature: from -60°C to 250°C
- Wire Diameter: 0,15 mm
- IEC 61439-1 compliant





IBSHY ADVANCED INSULATED BAIDED CONDUCTOR TECHNICAL CHARACTERISTICS

Part No.	Article No.	Cross Section	Length L	A	B	C	D	Hole Size 1 HS1	Hole Size 2 HS2
IBSHY32-230	558584	32 mm ²	230 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-330	558586	32 mm ²	330 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-365	558587	32 mm ²	365 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-430	558588	32 mm ²	430 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-500	558589	32 mm ²	500 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-565	558591	32 mm ²	565 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-630	558592	32 mm ²	630 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-700	558593	32 mm ²	700 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-765	558594	32 mm ²	765 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm
IBSHY32-830	558595	32 mm ²	830 mm	11 mm	25 mm	3 mm	5 mm	6,5 mm	10,5 mm

Maximum Ampacity Ratings															
Cross Section (mm ² /kcmil)	ΔT 30° C (A)	ΔT 35° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 65° C (A)	ΔT 70° C (A)	ΔT 75° C (A)	ΔT 80° C (A)	ΔT 100° C (A)	ΔT 120° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
32/63,15	142	153	164	174	184	193	201	209	217	225	235	263	290	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.