

IBS25 and IBS50

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General Characteristics

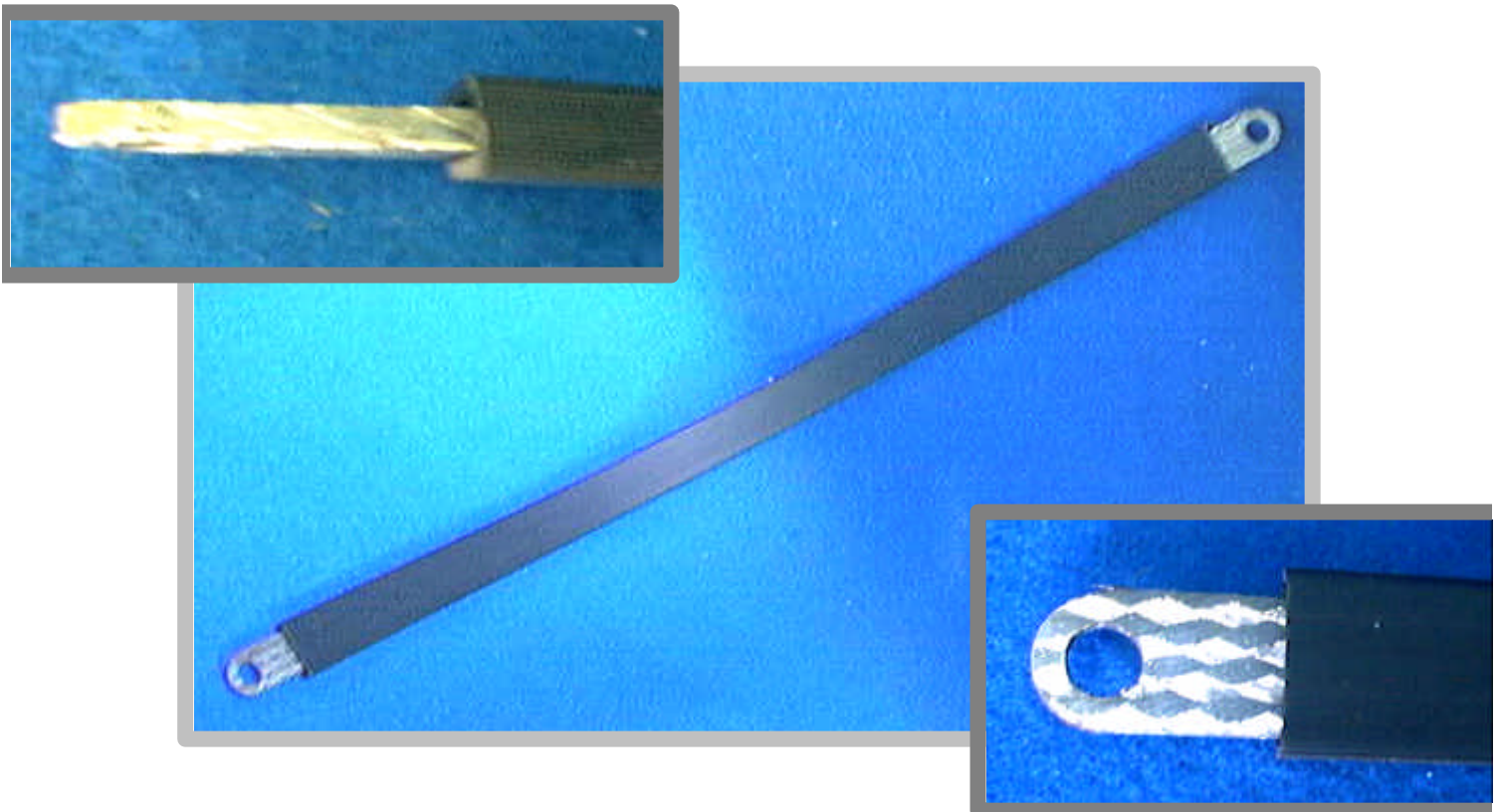
Quality of the PVC insulation

- ❑ High resistance of the vinyl compound
- ❑ Maximum working temperature : 105 °C
- ❑ Thickness : 1.5 mm
- ❑ Self-extinguishable : UL 94 VO
- ❑ Dielectric strength : 20 kV/mm
- ❑ Max working voltage : 1000 V
- ❑ Colour : Black

Braids

- ❑ Tinned electrolytic copper
- ❑ Wires diameter : 0.15 mm for maximum flexibility
- ❑ Very good resistance to vibration
- ❑ Good withstanding against corrosion compare to the red electrolytic copper

Picture of IBS



Technical data

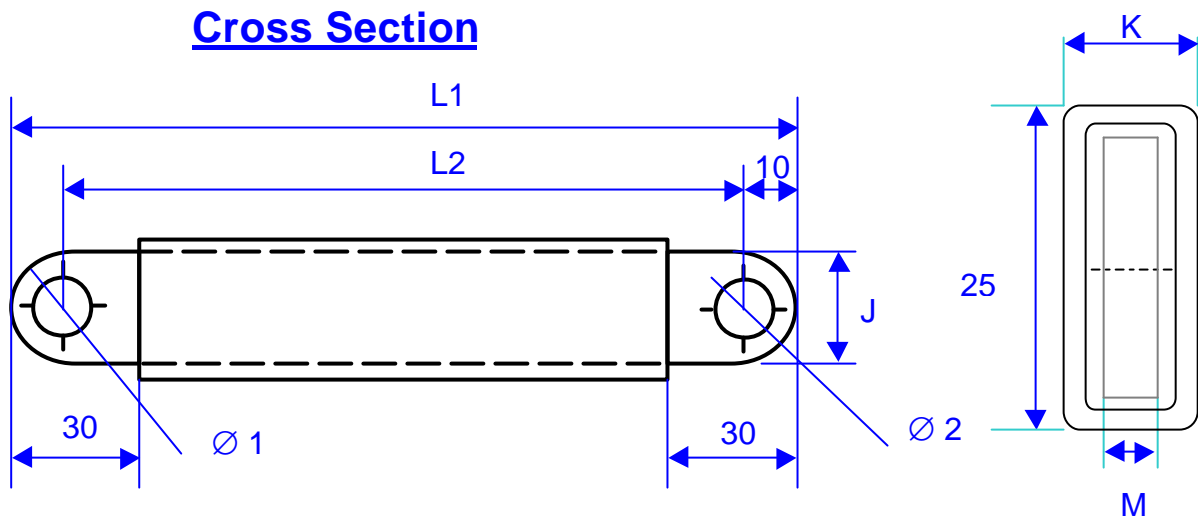
IBS 25

Part Descr.	Part Number	Section (mm ²)	L1 (mm)	L2 (mm)	J (mm)	K (mm)	M (mm)	F1 (mm)	F2 (mm)
BRAID IBS 25-230-8-10	558240	25	250	230	20	6	2.5	8.5	10.5
BRAID IBS 25-330-8-10	558241	25	350	330	20	6	2.5	8.5	10.5
BRAID IBS 25-430-8-10	558242	25	450	430	20	6	2.5	8.5	10.5
BRAID IBS 25-530-8-10	558243	25	550	530	20	6	2.5	8.5	10.5
BRAID IBS 25-630-8-10	558244	25	650	630	20	6	2.5	8.5	10.5

IBS 50

Part Descr.	Part Number	Section (mm ²)	L1 (mm)	L2 (mm)	J (mm)	K (mm)	M (mm)	F1 (mm)	F2 (mm)
BRAID IBS 50-230-10	558260	50	250	230	20	7.5	4.5	10.5	10.5
BRAID IBS 50-330-10	558261	50	350	330	20	7.5	4.5	10.5	10.5
BRAID IBS 50-430-10	558262	50	450	430	20	7.5	4.5	10.5	10.5
BRAID IBS 50-530-10	558263	50	550	530	20	7.5	4.5	10.5	10.5
BRAID IBS 50-630-10	558264	50	650	630	20	7.5	4.5	10.5	10.5

Cross Section

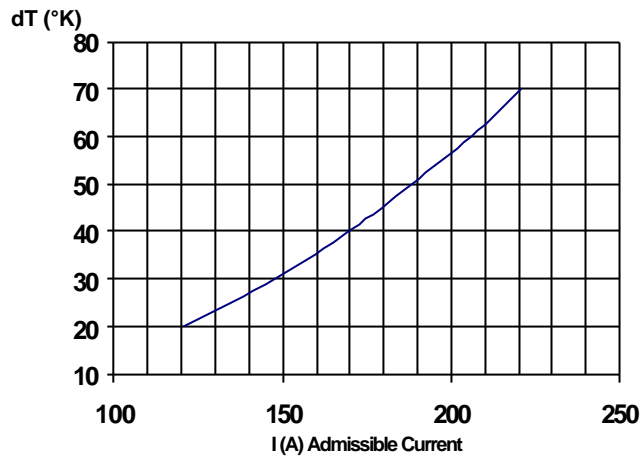


Temperature Rise

Temperature Rise for IBS 25

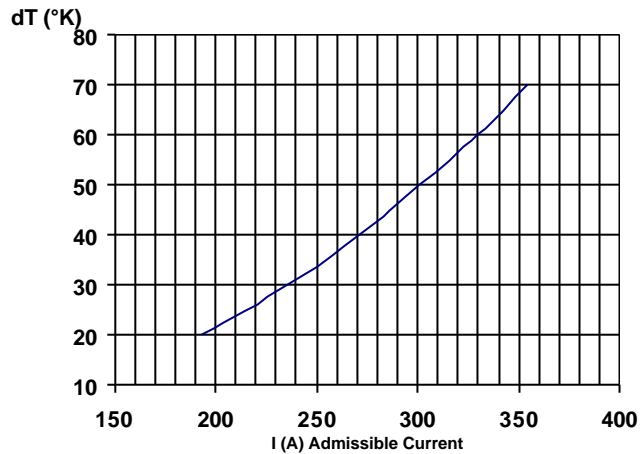
- For 1 Braid

dT (°K)	I (A)
20	121
30	148
40	170
50	188
60	206
70	221



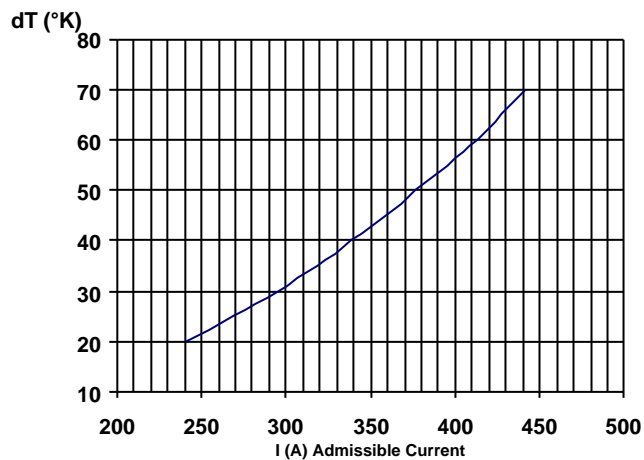
- For 2 Braids

dT (°K)	I (A)
20	193
30	236
40	271
50	301
60	330
70	354



- For 3 Braids

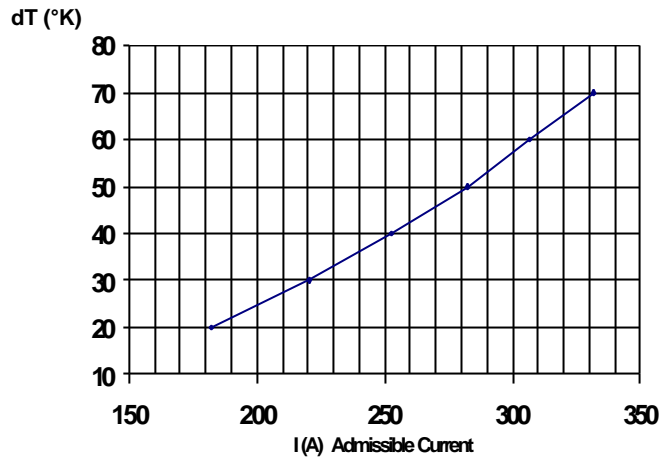
dT (°K)	I (A)
20	241
30	295
40	339
50	377
60	413
70	442



Temperature Rise for IBS 50

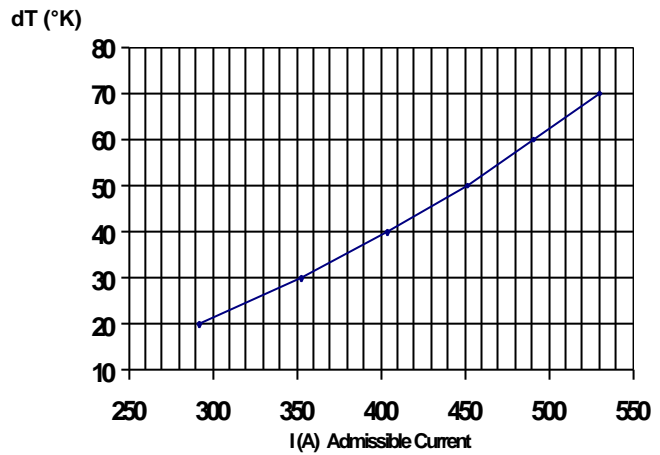
- For 1 braid

dT (°K)	I (A)
20	182
30	220
40	252
50	282
60	307
70	331



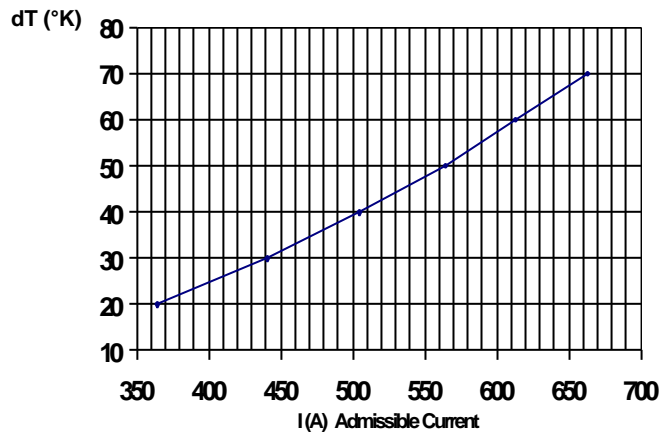
- For 2 braids

dT (°K)	I (A)
20	292
30	352
40	404
50	452
60	491
70	530






- For 3 braids

dT (°K)	I (A)
20	365
30	441
40	505
50	565
60	614
70	663



Additional informations

Factor function of the number of braids

Factor		
		
1	1.6	2

Notice

When using 2 or 3 Braids in parallel, use the factor above and the FS24 Spacer Clamps.

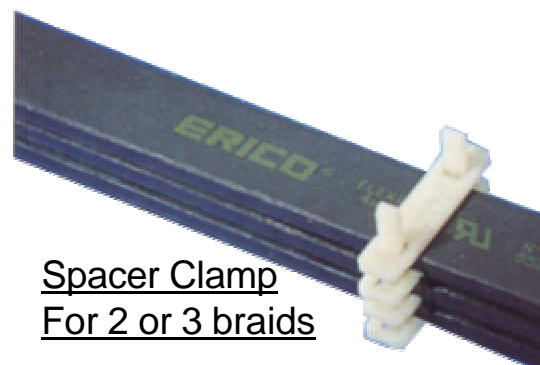
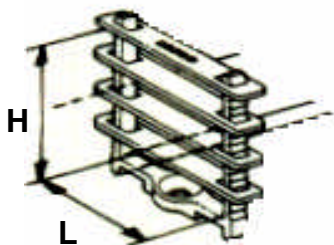
Ex:

For IBS 25 : Admissible Current for 2 braids ($\Delta T = 30 \text{ }^\circ\text{K}$) = $148 \times 1.6 = 236.8 \text{ A}$

For IBS 25 : Admissible Current for 3 braids ($\Delta T = 30 \text{ }^\circ\text{K}$) = $148 \times 2 = 296 \text{ A}$

Accessories : Spacer Clamps

Spacer Clamp				
Designation	Reference	H (mm)	L (mm)	W (kg)
FS 24	553570	95	150	0,10



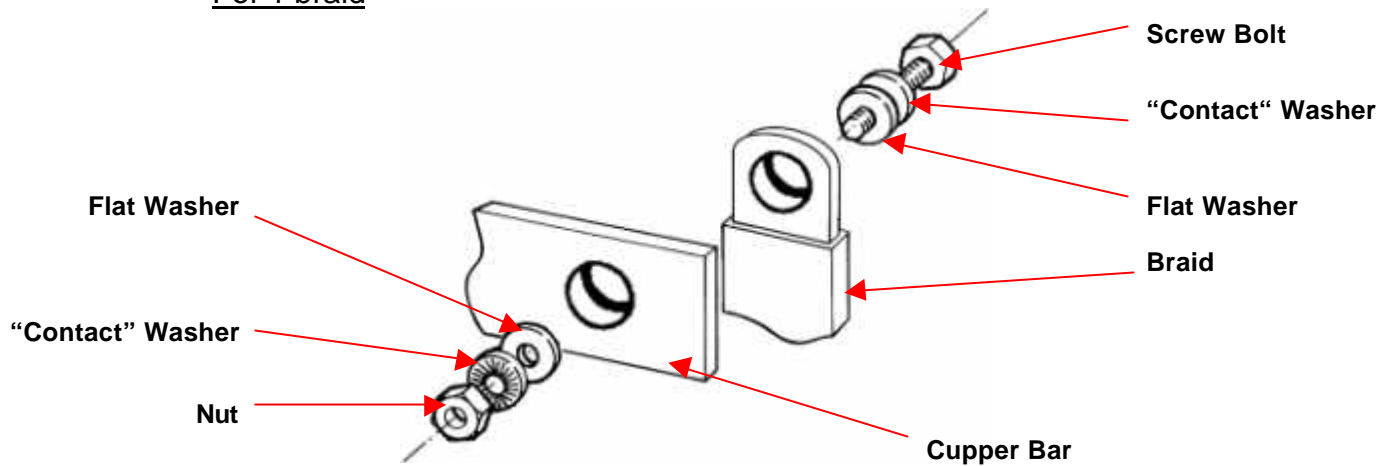
Assembly Mode



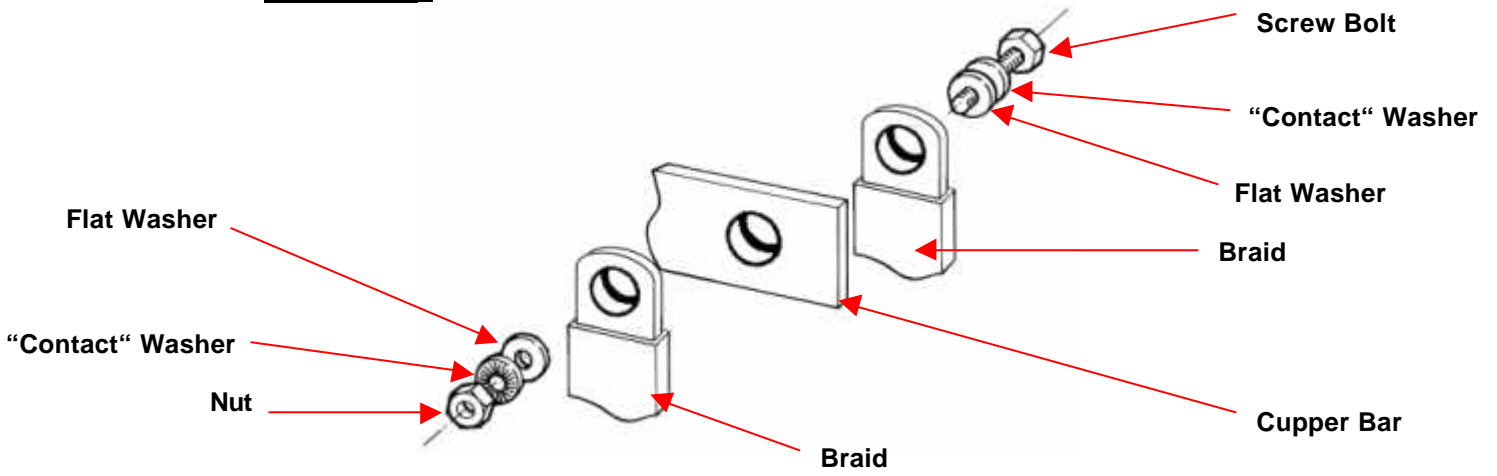
		References	External Flat and "Contact" Washers diameters (mm)	Clamping Torque (N.m)
IBS 25	Φ1 – 8.5	HM 8	18	30
	Φ2 – 10	HM 10	20	60
IBS 50	Φ1 – 10	HM 10	20	60
	Φ2 – 10	HM 10	20	60

With a class 8.8 zinc coated bichromated bolt, using "contact" washers tightened with torque wrench, without lubrication.

- For 1 braid



- For 2 braids



- For 3 braids

