



Insulated flat copper braids

Busbars

Enclosures
& accessories

new



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Function

SOCOMECS insulated flat copper braids are mainly utilised for providing the power connections between series of distribution busbars and the disconnection devices within an electrical panel.

Their flexibility is especially adapted to achieve complex and customised connections in cases where minimum space is available.

Technical characteristics

- Electrolytic copper, final annealing state.
- Operating voltage 1000 VAC - 1500 VDC
- Dielectric strength 20 KV / mm
- Operating temperature: - 40°C / +105°C
- Self-extinguishing: UL 94 V0
- Contact surface: bare copper

Advantages

Easy to install

- Compact and flexible.
- Length and orientation are easily adapted.
- Pre-mounted connection terminals reduces installation time.

Wide range of utilisation

- Parallel connections permit currents of up to 1000 A.
- Adapted to various types of connection terminals.
- Connection distance from 200 to 800 mm.

Compatibility

- With SOCOMECS devices.
- With most circuit-breakers on the market.

The solution for

- > Electrical distribution.



Strong points

- > Easy to install.
- > Wide range of utilisation.
- > Compatibility.

Conformity to standards






Customised solutions

- > Tin-plated contact surface.
- > Other lengths: please consult us.

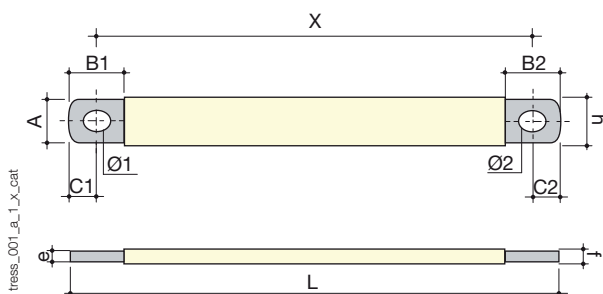
References

Connections in parallel

Facteur de correction	
	Rated current (no derating)
	2 x rated current x 0.8
	3 x rated current x 0.65

Dimensions						Admissible current at an ambient temperature of			Reference
A Width (mm)	e Thickness (mm)	L Length (mm)	Ø 1 (mm)	Ø 2 (mm)	X Fixing centres (mm)	35 °C (A)	Nominal rating 45 °C (A)	55 °C (A)	
20	1.5	220	8.5	10.5	200	180	160	140	4516 1620
20	1.5	270	8.5	10.5	250	180	160	140	4516 1625
20	1.5	320	8.5	10.5	300	180	160	140	4516 1630
20	1.5	370	8.5	10.5	350	180	160	140	4516 1635
20	1.5	420	8.5	10.5	400	180	160	140	4516 1640
20	1.5	520	8.5	10.5	500	180	160	140	4516 1650
20	3	220	8.5	10.5	200	280	250	220	4516 2520
20	3	270	8.5	10.5	250	280	250	220	4516 2525
20	3	320	8.5	10.5	300	280	250	220	4516 2530
20	3	370	8.5	10.5	350	280	250	220	4516 2535
20	3	420	8.5	10.5	400	280	250	220	4516 2540
20	3	420	8.5	10.5	500	280	250	220	4516 2550
25	5	272	10.5	10.5	250	440	400	320	4516 4025
25	5	322	10.5	10.5	300	440	400	320	4516 4030
25	5	372	10.5	10.5	350	440	400	320	4516 4035
25	5	422	10.5	10.5	400	440	400	320	4516 4040
25	5	522	10.5	10.5	500	440	400	320	4516 4050
25	5	622	10.5	10.5	600	440	400	320	4516 4060
25	5	822	10.5	10.5	800	440	400	320	4516 4080
30	10	274	12.5	10.5	250	690	630	560	4516 6325
30	10	324	12.5	10.5	300	690	630	560	4516 6330
30	10	374	12.5	10.5	350	690	630	560	4516 6335
30	10	424	12.5	10.5	400	690	630	560	4516 6340
30	10	524	12.5	10.5	500	690	630	560	4516 6350
30	10	624	12.5	10.5	600	690	630	560	4516 6360
30	10	824	12.5	10.5	800	690	630	560	4516 6380

Dimensions



Nominal rating 45 °C (A)	A (mm)	e (mm)	B1 (mm)	B2 (mm)	C1 (mm)	C2 (mm)	Ø1 (mm)	Ø2 (mm)	f (mm)	h (mm)
160	20	1.5	25	30	8	12	8.5	10.5	3.5	22
250	20	3	25	30	8	12	8.5	10.5	5	22
400	25	5	25	30	10	12	10.5	10.5	7	27
630	30	10	35	30	12	12	12.5	10.5	12	32