



PVC and silicon insulated supple bars



The insulated laminated busbars is designed for the highest technical demands and sets, due to its advanced and proven technology, a new standard in the field of flexible bars. It consists of several stacked copper fins which are permanently protected by a high quality, special PVC insulation, an environmentally friendly halogen-free silicone insulation or a rubber-like halogen-free insulation. Loosely enclosed in the insulation fins allow easy bending and twisting. The fine lamination ensures an excellent flexibility.

Benefits at a glance:

Space saving

- The supple bar has an extraordinary flexibility. With the same carrying capacity of the The conductor cross- section of supply bars is by up to 40 % smaller than that of cables, thus allowing smaller bending radii. **As a user, you can save time and work more effectively.**

Flexibility

- Thanks to the flexibility of the supple bar, the number of contact points can be reduced in comparison with a solid bar. Furthermore, this high flexibility allows the compensation of dimensional tolerances during installation. Any re-bending work, as with solid bars, is not necessary. **The installation time can be dramatically reduced.**

Material consumption

- The smaller conductor cross section compared to cables with the same load, reduces the material consumption. **The solution is imple and effective and you can save time and reduce costs.**

Reliability

- Thanks to insulated ends, supply bars offer **more safety for your installations:**
 - no cable lugs
 - reinforced edges
 - extreme heat resistance
 - proven breakdown resistance
 - uniform insulation

Clarity

- A special technological process used for manufacturing of our supple bars allows us to use a wide variety of insulation colours. **Choose from various standard colors (green / yellow, blue, brown, black) or specify your own requirements.**



Technical parameters

Rated current	Structure	Cross section [mm ²]	Cu weight per 2 meters [kg]	Current load values			
				Values according to DIN 43671 for bars in switchgears. Heating of the bar at an ambient temperature of 35°C			
				to 65°C ΔT = 30° K [A]	to 85°C ΔT = 50° K [A]	to 105°C ΔT = 70° K [A]	Thermal short-circuit strength for 1 second [kA]
125 A	3 x 9 x 0,8	21,6	0,38	98	130	152	3
	6 x 9 x 0,8	43,2	0,77	147	196	228	7
	9 x 9 x 0,8	64,8	1,15	179	238	277	10
	3 x 13 x 0,5	19,5	0,35	108	144	167	3
	6 x 13 x 0,5	39,0	0,69	162	215	251	6
2 x 16 x 0,8	24,8	0,44	110	148	195	4	
250 A	4 x 16 x 0,8	49,6	0,88	201	267	312	8
	6 x 16 x 0,8	74,4	1,32	252	335	391	11
	2 x 20 x 1	40,0	0,71	188	250	291	6
	3 x 20 x 1	60,0	1,07	237	315	367	9
	4 x 20 x 1	80,0	1,42	278	370	431	12
	2 x 24 x 1	48,0	0,85	201	267	312	7
	3 x 24 x 1	72,0	1,28	276	367	428	11
2 x 32 x 1	64,0	1,14	289	384	448	10	
400 A	10 x 16 x 0,8	128	2,28	330	439	512	19
	5 x 20 x 1	100	1,78	319	424	494	15
	6 x 20 x 1	120	2,14	355	472	550	18
	4 x 24 x 1	96	1,71	322	428	499	15
	5 x 24 x 1	120	2,14	369	491	572	18
3 x 32 x 1	96	1,71	359	477	556	15	
500 A	6 x 24 x 1	144	2,56	407	541	631	22
	4 x 32 x 1	128	2,28	418	556	648	20
650 A	10 x 20 x 1	200	3,56	497	661	770	31
	11 x 21 x 1	231	4,11	563	749	873	36
	8 x 24 x 1	192	3,42	483	642	749	30
	10 x 24 x 1	240	4,27	559	743	866	37
	5 x 32 x 1	160	2,85	477	634	739	25
	6 x 32 x 1	192	3,42	526	700	815	30
800 A	5 x 40 x 1	200	3,56	573	762	888	31
	8 x 32 x 1	256	4,56	623	829	966	39
	10 x 32 x 1	320	5,70	721	959	1118	49
	8 x 40 x 1	320	5,70	739	983	1145	49
1000 A	5 x 50 x 1	250	4,45	697	927	1080	39
	10 x 35 x 1	350	6,23	757	1007	1173	54
	10 x 40 x 1	400	7,12	850	1131	1318	62
	8 x 50 x 1	400	7,12	891	1185	1381	62
1250 A	5 x 63 x 1	315	5,61	826	1099	1280	49
	10 x 50 x 1	500	8,90	1020	1357	1581	77
	6 x 63 x 1	378	6,73	942	1253	1460	58
	8 x 63 x 1	504	8,97	1038	1361	1609	78
	10 x 63 x 1	630	11,21	1180	1569	1829	97
	4 x 80 x 1	320	5,70	954	1269	1479	49
	5 x 80 x 1	400	7,12	1070	1423	1659	62
6 x 80 x 1	480	8,54	1156	1537	1792	74	
1600 A	8 x 80 x 1	640	11,39	1328	1766	2058	99
	10 x 80 x 1	800	14,24	1500	1995	2325	123
	5 x 100 x 1	500	8,90	1300	1729	2015	77
2000 A	8 x 100 x 1	800	14,24	1606	2136	2489	123
	10 x 100 x 1	1000	17,80	1810	2407	2806	154
2500 A	12 x 100 x 1	1200	21,36	1974	2625	3059	185