

FLEXIBLE BUSBARS

ISOFLEXX BUSBARS

Isoflexx® is an insulated and laminated busbar system made to the highest technical standards. Isoflexx is made of several layered copper lamellas protected by a special high grade PVC insulation. The loose lamellas give the Isoflexx product the maximum available flexibility. This means that Isoflexx saves space and is fast and easy to install. The operating voltages are 1000Vac and 1500Vdc and the dielectric strength is 20kV/mm. Operating temperatures are -30°C to +105°C. UL certified.



Operating Current						
Values according to DIN 43671 for busbars in switchgear						
Heating* of busbar at an ambient temperature of 35 °C						
Product Code	Dimensions N x W x T	Cross Section mm ²	65 °C Δ=T 30K	85 °C Δ=T 50K Recommended value	105 °C Δ=T 70K	Price per 2m length
11311000	3x9x0.8	21.6	98	130	152	\$59.32
11311020	6x9x0.8	43.2	147	196	228	\$101.93
11311420	9x9x0.8	64.8	179	238	277	\$148.44
11311060	4x15.5x0.8	49.6	201	267	312	\$118.01
11311070	6x15.5x0.8	74.4	252	335	391	\$164.65
11311550	2x20x1	40	188	250	291	\$105.57
11311560	3x20x1	60	237	315	367	\$142.39
11311570	4x20x1	80	278	370	431	\$169.68
11311530	2x24x1	48	201	267	312	\$113.37
11311440	3x24x1	72	276	367	428	\$154.84
11311080	10x15.5x0.8	124	330	439	512	\$249.60
11311580	5x20x1	100	319	424	494	\$207.14
11311590	6x20x1	120	355	472	550	\$240.05
11311450	4x24x1	96	322	428	499	\$188.15
11311460	5x24x1	120	369	491	572	\$225.97
11311470	6x24x1	144	407	541	631	\$263.81
11311500	4x32x1	128	418	556	648	\$247.34
11311480	8x24x1	192	483	642	749	\$339.46
11311490	10x24x1	240	559	743	866	\$413.87
11311430	5x32x1	160	477	634	739	\$280.77
11311510	6x32x1	192	526	700	815	\$339.96
11311130	5x40x1	200	573	763	888	\$355.30
11311690	6x40x1	240	628	835	1112	\$475.46
11311520	8x32x1	256	623	829	966	\$412.99
11311390	10x32x1	320	721	959	1118	\$482.94
11311160	5x50x1	250	697	927	1080	\$536.65
11311680	6x50x1	300	762	1013	1349	\$655.67
11311150	10x40x1	400	850	1131	1318	\$706.19
11311180	10x50x1	500	1020	1357	1581	\$1,003.69
11311210	10x63x1	630	1180	1569	2089	\$1,207.30
11311240	10x80x1	800	1500	1995	2655	\$1,449.10
11311270	10x100x1	1000	1810	2407	3204	\$1,772.09

Notes: Isoflexx® dimensions: N is the number of lamella in each bar, W the bar width and T is the thickness of each lamella. When using 2 bars in parallel multiply by 1.72, 3 bars by 2.25.

*The heating of the busbar is dependant on current load, ambient temperature, method of installation and field of application. The above current ratings are to be used as guidelines only.



Order Code in Bold: Stocked Item
Order Code in light: Subject to availability

FLEXIBLE BUSBAR ACCESSORIES

ISOFLEXX FLAT CLAMPS

Isoflexx® Flat Clamps are suitable to connect flexible busbars without drilling. Can be fixed lengthways or on a 90° angle.



Product Code	Inner Dimensions A x B (mm)	Outer Dimensions C x D (mm)	Clamp Width E (mm)	Product Number	Price Each
FAK 25x25	25 x 25	45 x 45	20	90010220	\$2.73
FAK 25x50	25 x 50	45 x 70	20	90010330	\$22.06
FAK 32x32	32 x 32	52 x 50	20	90010230	\$20.73
FAK 32x63	32 x 63	52 x 82	20	90010340	\$31.86
FAK 40x40	40 x 40	60 x 60	20	90010240	\$22.50
FAK 40x63	40 x 63	60 x 82	32	90010350	\$32.98
FAK 40x80	40 x 80	70 x 110	35	90010360	\$34.32
FAK 50x50	50 x 50	70 x 70	20	90010250	\$29.41

ISOFLEXX PLASTIC FIXING DEVICES

For the installation of Isoflexx® to DIN Rails of 35mm, The plastic fixing devices are halogen free, self-extinguishing, glass fibre reinforced polyamide. Type KSH51 is suitable for use with cable ties.



Product Code	Description	Product Number	Price Each
KSH 50	Complete set	90080400	\$13.29
KSH 51	Only lower part - suitable for use with cable tie	90080410	\$8.81

ISOFLEXX DRILLING JIG

To drill Isoflexx® without any problems - different drilling jig models according to lamella width. Supplied with different drilling units.



Product Code	Width	Drill Hole (mm)	Product Number	Price Each
BL 16	16 mm	6 / 8	90080100	\$307.68
BL 20	20 mm	8/10/12	90080110	\$323.21
BL 24	24 mm	8 / 10 / 12	90080120	\$327.82
BL 32	32 mm	10 / 12	90080130	\$334.40
BL 40	40 mm	10/12	90080140	\$377.20
BL 50	50 mm	10/12	90080150	\$385.00
BL 63	63 mm	10/12	90080160	\$394.86

ISOFLEXX TOOLS



To bend Isoflexx® by hand without any problems you can use the Twisting Tool model number 90090110 pictured on the left. To bend Isoflexx® you can also use the bench mounted tool 90090100 pictured on the right. Price on application.

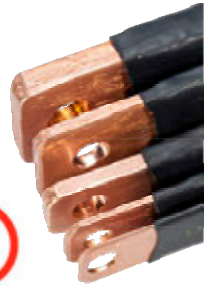


FLEXIBLE BUSBAR

ULTRAFLEXX FLEXIBLE BUSBARS



Ultraflexx® Flexible busbars are highly flexible connectors manufactured from flat copper braid. Unlike similar products Ultraflexx is press-welded with a special patented process that makes the ends a solid piece of copper. These solid ends can even be machined without any problems at all. This has the advantage of the lowest possible contact resistance. It also means that there is no chance of corrosion increasing the contact resistance over time. The operating voltages are 1000Vac and 1500Vdc and the dielectric strength is 20kV/mm. Operating temperatures are -55°C to +125°C. Ultraflexx is UL certified.



ULTRAFLEXX 25MM²

25mm² Ultraflexx has a recommended current rating of 160 Amps for single conductors or 260 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. One side has an 8.5mm hole and the other a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 25-150-8/10	20	1.4	150	163	62150523	\$13.51
ULFX 25-200-8/10	20	1.4	200	223	62151023	\$16.71
ULFX 25-250-8/10	20	1.4	250	272	62151523	\$19.48
ULFX 25-300-8/10	20	1.4	300	322	62151923	\$22.11
ULFX 25-350-8/10	20	1.4	350	372	62152323	\$24.82
ULFX 25-400-8/10	20	1.4	400	422	62152823	\$27.66
ULFX 25-450-8/10	20	1.4	450	472	62153323	\$30.17
ULFX 25-500-8/10	20	1.4	500	522	62153523	\$32.93
ULFX 25-550-8/10	20	1.4	550	572	62153823	\$35.69
ULFX 25-600-8/10	20	1.4	600	622	62154023	\$38.32
ULFX 25-650-8/10	20	1.4	650	672	62154523	\$41.09
ULFX 25-700-8/10	20	1.4	700	722	62155023	\$43.74
ULFX 25-800-8/10	20	1.4	800	822	62156023	\$49.27
ULFX 25-750-8/10	20	1.4	750	772	62155523	\$46.50
ULFX 25-850-8/10	20	1.4	850	872	62156523	\$51.90
ULFX 25-900-8/10	20	1.4	900	922	62156823	\$54.67
ULFX 25-950-8/10	20	1.4	950	972	62157523	\$57.30
ULFX 25-1000-8/10	20	1.4	1000	1022	62158023	\$60.07

FLEXIBLE BUSBAR

ULTRAFLEXX 50MM²

50mm² Ultraflexx has a recommended current rating of 250 Amps for single conductors or 430 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. One side has an 8.5mm hole and the other a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 50-200-8/10	20	2.9	200	225	62251023	\$24.01
ULFX 50-250-8/10	20	2.9	250	275	62251523	\$28.16
ULFX 50-300-8/10	20	2.9	300	325	62251923	\$32.30
ULFX 50-350-8/10	20	2.9	350	375	62252323	\$36.44
ULFX 50-400-8/10	20	2.9	400	425	62252823	\$40.48
ULFX 50-450-8/10	20	2.9	450	475	62253323	\$44.74
ULFX 50-500-8/10	20	2.9	500	525	62253523	\$48.90
ULFX 50-550-8/10	20	2.9	550	575	62253823	\$53.04
ULFX 50-600-8/10	20	2.9	600	625	62254023	\$57.05
ULFX 50-650-8/10	20	2.9	650	675	62254523	\$61.33
ULFX 50-700-8/10	20	2.9	700	725	62255023	\$65.36
ULFX 50-800-8/10	20	2.9	800	825	62256023	\$73.77
ULFX 50-1000-8/10	20	2.9	1000	1025	62258023	\$90.24

Further options available on request

ULTRAFLEXX 100MM²

100mm² Ultraflexx has a recommended current rating of 390 Amps for single conductors or 680 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 100-200-10	20	5.9	200	225	62551033	\$38.46
ULFX 100-250-10	20	5.9	250	275	62551533	\$45.62
ULFX 100-300-10	20	5.9	300	325	62551933	\$52.80
ULFX 100-350-10	20	5.9	350	375	62552333	\$59.96
ULFX 100-400-10	20	5.9	400	425	62552833	\$67.12
ULFX 100-450-10	20	5.9	450	475	62553333	\$74.14
ULFX 100-500-10	20	5.9	500	525	62553533	\$81.44
ULFX 100-550-10	20	5.9	550	575	62553833	\$88.48
ULFX 100-600-10	20	5.9	600	625	62554033	\$95.64
ULFX 100-650-10	20	5.9	650	675	62554533	\$102.80
ULFX 100-700-10	20	5.9	700	725	62555033	\$109.96
ULFX 100-800-10	20	5.9	800	825	62556033	\$124.31
ULFX 100-1000-10	20	5.9	1000	1025	62558033	\$152.83

Further options available on request



ULTRAFLEXX 120MM²

120mm² Ultraflexx has a recommended current rating of 450 Amps for single conductors or 780 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 120-200-10	32	4.4	200	230	62651033	\$47.76
ULFX 120-300-10	32	4.4	300	330	62651933	\$65.48
ULFX 120-350-10	32	4.4	350	375	62552333	\$74.35
ULFX 120-400-10	32	4.4	400	430	62652833	\$83.20
ULFX 120-450-10	32	4.4	450	475	62553333	\$92.12
ULFX 120-500-10	32	4.4	500	530	62653533	\$100.91
ULFX 120-550-10	32	4.4	550	580	62653833	\$109.85
ULFX 120-600-10	32	4.4	600	630	62654033	\$118.65
ULFX 120-650-10	32	4.4	650	680	62654533	\$127.56
ULFX 120-700-10	32	4.4	700	730	62655033	\$136.36
ULFX 120-800-10	32	4.4	800	830	62656033	\$154.09
ULFX 120-1000-10	32	4.4	1000	1030	62658033	\$189.53

Further options available on request

ULTRAFLEXX 240MM²

240mm² Ultraflexx has a recommended current rating of 700 Amps for single conductors or 1150 Amps for two conductors in parallel. Nominal current at 35°C ambient temperature and 85°C flexible temperature. Both sides have a 10.5mm hole.

Product Code	Width (mm)	Thickness (mm)	Length Between Centre of Terminal Holes	Overall Length (mm)	Product Number	Price Each
ULFX 240-200-10	32	8.9	200	230	62851033	\$80.73
ULFX 240-300-10	32	8.9	300	330	62851933	\$112.00
ULFX 240-350-10	32	8.9	350	380	62852333	\$127.62
ULFX 240-400-10	32	8.9	400	430	62852833	\$143.26
ULFX 240-450-10	32	8.9	450	475	62853333	\$158.88
ULFX 240-500-10	32	8.9	500	530	62853533	\$174.50
ULFX 240-550-10	32	8.9	550	580	62853833	\$190.14
ULFX 240-600-10	32	8.9	600	630	62854033	\$205.77
ULFX 240-650-10	32	8.9	650	680	62854533	\$221.40
ULFX 240-700-10	32	8.9	700	730	62855033	\$237.03
ULFX 240-750-10	32	8.9	750	780	62855533	\$252.66
ULFX 240-800-10	32	8.9	800	830	62856033	\$268.29
ULFX 240-1000-10	32	8.9	1000	1030	62858033	\$330.92

Further options available on request

