Technical Data ULTRAFLEXX

Identifier	Width	Thickness	Available	Cross-section	Cu - weight per 1 meter	Ampacity: Values acc. to DIN 43671 for bars in switchgear systems at 50Hz			Ampacity: Power loss for given currents at an ambient temperature of 35°C			Thermal shortcircuit strength
						to 65°C ΔT = 30 K	to 85°C ΔT = 50 K	to 105°C ΔT = 70 K	to 65°C ΔT = 30 K	to 85°C ΔT = 50 K	to 105°C ΔT = 70 K	for 1 sec.
	[mm]	[mm]	bare Cu	[mm^2]	[kg]	[A]	[A]	[A]	[W/m]	[W/m]	[W/m]	[kA]
ULX25	20	1,4	**x**	**25,0**	0,22	120	**160**	185	13	24	33	3,8
ULX50	20	2,9	**x**	**50,0**	0,45	200	**270**	315	17	33	47	7,5
ULX100	20	5,9	**x**	**100,0**	0,89	320	**425**	500	22	41	59	15,0
ULX120	32	4,4	**x**	**120,0**	1,07	355	**470**	555	22	42	61	18,5
ULX240	32	8,9	**x**	**240,0**	2,14	560	**745**	870	28	53	75	37,0

[1] **Standard lengths from 150mm to 1000mm in 50mm increments available, other lengths on request**

[2] **The total current of several Ultraflexx in parallel for one phase is calculated with a multiplication factor of 1.72 if 2 bars are used and a multiplication factor of 2.25 if 3 bars are used.**

[3] **Power loss and heating of busbar depends on: current strength, ambient temperature, heat dissipation, grouping, laying method, application**

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