

Grooved Railway/Trolley Contact Wire BS EN 50149

Material	Cross-section	Min. tensile strength	Min. breaking load	Min. Elongation at break	Max. DC resistance at 20°C	Weight
	mm ²	N/mm ²	kN	%	Ω/km	kg/km
Cu-ETP	80	355	27.5	3	0.229	700
	100	355	34.5	3	0.18	891
	107	350	36.3	3	0.17	935
	120	330	38.4	3	0.15	1042
	150	310	45.1	3	0.12	1305
	161	354	57	3	0.11	1481
	185	349	64.6	3	0.02	1605
	240	325	78.2	4	0.02	2137
Cu-Ag 0.1	80	365	28.3	3	0.229	700
	100	360	34.9	3	0.183	891
	107	350	36.3	3	0.171	935
	120	350	40.7	3	0.15	1042
	150	350	50.9	3	0.122	1305
Cu-Mg 0.2	80	460	35.7	3	0.289	700
	100	450	43.7	3	0.231	891
	107	440	45.7	3	0.216	935
	120	430	50.1	3	0.192	1042
	150	420	61.1	3	0.154	1305
Cu-Mg 0.5	80	520	40.4	3	0.385	700
	100	510	49.5	3	0.286	891
	107	500	51.9	3	0.268	935
	120	490	57	3	0.239	1042
	150	470	68.4	3	0.19	1305
Cu-Sn 0.2	80	460	35.7	2	0.31	702
	100	450	43.7	2	0.25	894
	107	430	44.6	2	0.23	939
	120	420	48.9	2	0.21	1047
	150	420	61.1	2	0.17	1311

*The information in this datasheet is for reference only and is subject to change without notice or liability.