



伟光电缆
WEIGUANG CABLE



接触线

Contact Wire

Catalogue

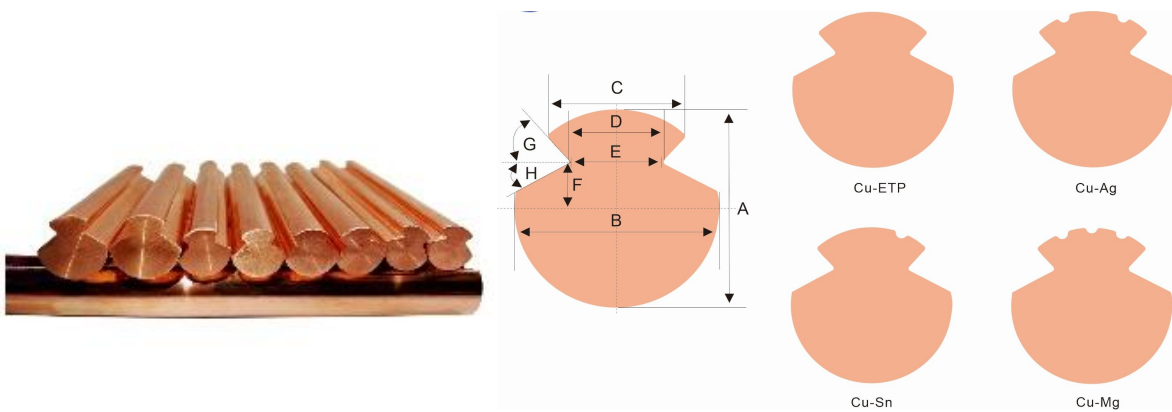
安徽伟光电缆股份有限公司
Anhui Weiguang Cable Co., Ltd.

Grooved railway/trolley contact wire 铁路用接触线

Cu/Cu alloy

Contact wires are mainly used in the railway industry, transmitting power from the catenary system to the locomotive. Our contact wires can be made from Copper (Cu-ETP), Copper-Tin alloy (Cu-Sn), Copper-Magnesium alloy (Cu-Mg), Copper-Silver alloy (Cu-Ag), Aluminium and steel. Shapes can be customized according to customer's requirements.

接触线主要用于铁路行业，将电力从接触网系统传输到机车。伟光接触线可由铜 (Cu-ETP)、铜锡合金 (Cu-Sn)、铜镁合金 (Cu-Mg)、铜银合金 (Cu-Ag)、铝和钢制成。形状可根据客户要求定制。



Standards 标准

TB/T2809, BS EN 50149, or other standards on request

TB/T2809、BS EN 50149 或其他标准

Construction 结构

Conductor 导体	Copper (Cu-ETP), Copper-Tin alloy (Cu-Sn), Copper-Magnesium alloy (Cu-Mg), Copper-Silver alloy (Cu-Ag), Aluminium and steel on request. 铜 (Cu-ETP)、铜锡合金 (Cu-Sn)、铜镁合金 (Cu-Mg)、铜银合金 (Cu-Ag)、铝和钢等。
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Data sheet 参数表

Grooved Railway/Trolley Contact Wire TB/T2809

TB/T2809 标准接触线

Grooved Railway/Trolley Contact Wire BS EN 50149

BS EN 50149 标准接触线



Grooved Railway/Trolley Contact Wire
TB/T2809标准接触线

Material 材质	Cross-section 截面积	Min. tensile strength 抗拉强度	Min. breaking load 拉断力	Min. Elongation at break 伸长率	Min. Conductivity at 20°C 导电率	Temperature coefficient of resistance 电阻温度系数
	mm ²	N/mm ²	kN	%	%IACS	1/°C
CT Cu	110	360	39.96	3	97	0.0038
	120	360	43.56	3		
	150	360	54.36	3		
CTA CTAM Cu-Ag	110	381	41.45	3	97	0.0038
	120	377	44.75	3		
	150	370	54.75	3		
CTAM Cu-Ag	120	420	49.80	3	97	0.0038
	150	420	62.15	4		
CTS Cu-Sn 0.01-0.2	110	391	42.53	3	93	0.0032
	120	388	45.96	3		
	150	380	56.23	3		
CTSM Cu-Sn 0.15-0.4	120	439	52.01	3	80	0.0032
	150	430	63.63	3		
CTSH Cu-Sn 0.35-0.7	120	510	60.48	3	68	0.0032
	150	500	73.99	3		
CTM Cu-Mg 0.1-0.4	110	443	48.19	3	80	0.0031
	120	439	52.01	3		
	150	430	63.63	3		
CTMM Cu-Mg 0.2-0.6	120	510	60.48	3	68	0.0027
	150	500	73.99	3		
CTMH Cu-Mg 0.3-0.7	120	541	64.10	3	65	0.0027
	150	530	78.43	3		



Grooved Railway/Trolley Contact Wire
BS EN 50149标准接触线

Material 材质	Cross-section 截面积	Min. tensile strength 抗拉强度	Min. breaking load 拉断力	Min. Elongation at break 伸长率	Max. DC resistance at 20°C 电阻	Weight 重量
	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.

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