



# CONTACT WIRE

[GROOVED CONTACT WIRES FROM CU, CUAG, CUMG, CUSN]

CHARACTERISTICS ACCORDING TO DIN-EN 50 149

E.G. CROSS SECTION 100MM<sup>2</sup>

	Cu-ETP	Cu-Ag 0,1	CuMg 0,5	CuMg 0,2	Cu-SN 0,4
<b>Tensile strength</b> [ N/mm <sup>2</sup> ]	> 355	> 360	> 510	> 450	> 450
<b>Breaking load</b> [ KN ]	> 34,5	> 34,9	> 49,5	> 43,6	> 43,6
<b>Elongation</b> at 20° [ % ]	3-10	3-10	3-10	3-10	2-8
<b>Specific resistance</b> at 20° [ Ω x mm <sup>2</sup> / m ]	≤ 0,0177	≤ 0,0177	≤ 0,0278	≤ 0,0224	≤ 0,0215
<b>Max. resistance</b> at 20° [ Ω /km ]	0,183	0,183	0,286	0,231	0,222

## PRODUCT RANGE:

- » ETP-COPPER CONTACT WIRE 80 - 150 MM<sup>2</sup>  
For railway application up to a speed of 160 km/h, tram and trolley lines.
- » CU AG 0,1% - COPPER-SILVER ALLOYED CONTACT WIRE 80 - 150MM<sup>2</sup>  
For advanced railway lines with speed up to 250 km/h.
- » CU MG 0,2 – 0,5% COPPER MAGNESIUM ALLOYED CONTACT WIRE 100 – 150 MM<sup>2</sup>  
For high-speed application up to 400 km/h.
- » CU SN 0,4% COPPER TIN ALLOYED CONTACT WIRE 100 – 150 MM<sup>2</sup>  
For high speed application.
- » SPECIALTY: CONTACT WIRE IN STRAIGHTEN LENGTHS UP TO 6 M  
FOR ARMATURES [ Available in all DIN EN 50149 standard shapes. ]

Drums and lengths according customers request.

Shapes according other international standards are available on request.

# eks bare wire

elektrokoppar  
[ SWEDEN ]

isodraht  
[ GERMANY ]

易速达型材  
isodraht profiles  
[ CHINA ]



DB AG/ Lothar Mantel



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