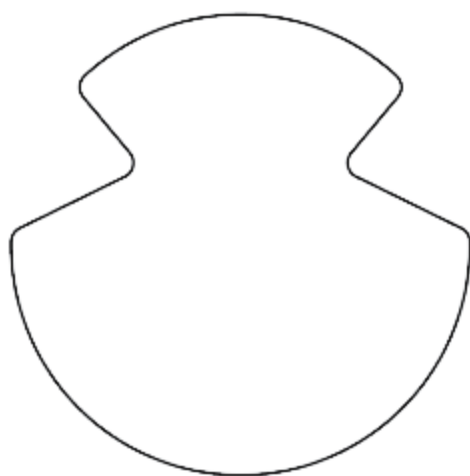


CONTACT WIRE Cu-ETP ACCORDING TO EN 50149:2012



MARKING OF Cu-ETP



MATERIAL PROPERTY

E- module	kN/mm ²	120
Specific conductivity at 20°C	m/(Ohm*mm ²)	≥56,3
Electric conductivity	% IACS	≥97
Linear expansion coefficient	10 ⁻⁵ /K	1,7
Density	10 ³ kg/m ³	8,89

MECHANICAL AND ELECTRICAL PROPERTIES OF Cu-ETP

CROSS-SECTION	mm ²	80	100	107	120	150
Min. tensile strength R _m ²⁾	N/mm ²	355	355	350	330	310
Min. breaking load F _m ¹⁾	kN	27,5	34,5	36,3	38,4	45,1
Elongation at break A ₂₀₀	%	3 - 10	3 - 10	3 - 10	3 - 10	3 - 10
Yield strength R _{p0,2}	N/mm ²	>310	>310	>310	>300	>280
Electrical resistance R	Ohm/km	≤0,229	≤0,183	≤0,171	≤0,153	≤0,122

¹⁾ at min. cross- section

²⁾ other properties upon request

