

CONSIL[®] 720

NOMINAL COMPOSITION

Silver	72.0% ± 1.0%
Copper	28.0% ± 1.0%
Impurities	0.005 - 0.035% Max Phosphorous
Other Elements (Total)	0.15% Max

PHYSICAL PROPERTIES

Density (Troy oz/in ³)	5.27
Electrical Conductivity (%IACS) ⁽¹⁾	84.0 Min for soft temper (conductivity will vary with temper)

⁽¹⁾ IACS = International Annealed Copper Standard

Table 1. Mechanical properties at different tempers in wire and strip form

Form	Temper	Approx. Reduction (% in area)	Tensile Strength (1000 psi)	Minimum Elongation (% in 2")
Wire	Soft	0	45-55	15
(Rod properties generally differ. Inquire for specifics)	1/8 Hard	11	52-62	7
	1/4 Hard	21	58-68	5
	1/2 Hard	37	65-75	4
	3/4 Hard	50	70-80	4
	Hard	60	76-86	3
	Spring	84	95-105	2
	Extra Spring	90	105-115	1
Strip	Soft	0	45-55	15
	1/4 Hard	11	56-66	7
	1/2 Hard	21	60-70	3
	Hard	37	69-79	2
	Extra Hard	50	75-85	1
	Spring	60	83-93	1
	Extra Spring	69	87-97	1

PRODUCT USES

Consil 720 is the Handy & Harman/Lucas-Milhaupt, Inc. designation for an alloy of 72% silver and 28% copper, which is a eutectic composition. Consil 720 is regarded as the least expensive alloy in the silver-copper binary system with the principle attributes of coin silver. Consil 720 is widely used in room temperature spring contact assemblies and on-off contact devices.

AVAILABLE FORMS

Wire, strip, engineered preforms, specialty preforms per customer specification.

SPECIFICATIONS

Consil 720 alloy conforms to the following specification: N/A

APPLICABLE PRODUCT CODE(S)

The applicable Lucas-Milhaupt product code(s) for this technical data sheet: 15-720.

SAFETY INFORMATION

For more complete information refer to the Material Safety Data Sheet for Consil 720.

WARRANTY CLAUSE

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