

		Copper-Cladded Steel		Copper-Cladded Stainless Steel	Copper-Cladded Iron-Nickel
		Staku 30	Staku 40	CCS37 E	1.4301
Material - No.	DIN / EN	-	-	-	1.4301
	UNS	-	-	-	304
Nominal Composition	[%]	Stahlkern / Kupferschicht ca. 7% v. Ø	Stahlkern / Kupferschicht ca. 10% v. Ø	Edelstahlkern / Kupferschicht ca. 10 % v. Ø	18 Cr 10 Ni Rest Fe
Conductivity ²	[m/(Ohm mm ²)]	18	23	20	1,4
Conductivity ²	[% IACS]	30	40	35	2,4
Thermal Conductivity ²	[W/(mK)]	134	172	-	15
Coefficient of Thermal Expansion ³	[10 ⁻⁶ /K]	12	13	17	5,5 ⁴
Tensile Strength annealed	[N/mm ²]	350	350	600	550
Elongation annealed	[%]	25	25	35	25
Tensile Strength hard	[N/mm ²]	800	800	1500	-
Density	[g/cm ³]	8,15	8,20	8,20	8,30

1) Nominal data for diameter 0,8 mm

2) At 20° C

3) Temperature range 20 - 200° C

4) Data of core material