

# Standardization and composition

**NC1775**

## Physical properties

be Norm	CuNi18Zn27
N Density (kg/dm <sup>3</sup> )	8.7
coi Melting range (°C)	1030 - 1055
be E-Modulus (kN/mm <sup>2</sup> )	125
coi Thermal conductivity (W / m x K)	29
Coefficient of linear mean expansion (10-6/K)	16.7
St Electric conductivity (m / Ω x mm <sup>2</sup> )	3.2
Electric conductivity (IACS %)	~ 5
Resistivity (Ω x mm <sup>2</sup> /m)	0.3125
CDA UNS	770
Alloy composition	Average values according to standard (%)
Cu	55.0
Zn	balance
Ni	18.0
Mn	0.35
Others	max. 0.5

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