

LNM CuAl8

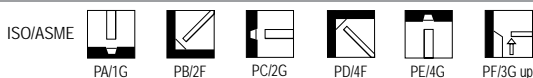
CLASSIFICATION

AWS A5.7 - ERCuAl-A1
EN 14640 - S Cu 6100 (CuAl8)

GENERAL DESCRIPTION

Solid wire for welding copper-aluminium alloys, as aluminium bronze
High resistance to corrosion and wear

WELDING POSITIONS



SHIELDING GASES (ACC. ISO 14175)

I1 Inert gas Ar (100%)
I3 Inert gas Ar+ 0.5-95% He

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Cu	Al	Mn
bal.	8	0.3

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Hardness HB
Typical values	I1	AW	185	430	30	95

MATERIALS TO BE WELDED

Cu-alloy grades	Standard	Type	Mat. Nr
Copper-aluminium wrought alloys	DIN 17665	CuAl5As	2.0918
		CuAl8	2.0920
Copper-aluminium cast alloys	DIN 1714	G-CuAl8Mn	2.0962

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	0.8	1.0	1.2	1.6	2.4
Unit : 12 kg spool B300	X	X	X	X	X

Other sizes and packaging on request

LNM CuAl8; rev. EN 22