

MT-CuAl 8 Ni 6

2.0923

MIG wire for welding multi-alloy aluminium bronzes. Welding deposit of multi-alloy aluminium bronze.

Standard designation

EN ISO 24373	S Cu 6328
Material No.	2.0923
AWS/ASME SFA-5.7	ER CuNiAl

Main fields of application

Multi-alloy aluminium bronzes, copper aluminium nickel alloys; saltwater resistant build-up welds on mild and low-alloy steels and cast iron.

Physical properties (typical values)

El.conductivity at 20°C [S · m/mm ²]	Thermal conductivity at 20°C [W/(m · K)]
4-5	20-40

Mechanical properties of all-weld-metal (typical values)

Thermal treatment Test temperature	[°C]	untreated + 20°C
0,2 %-yield strength R _{p0,2}	MPa	380
Tensile strength R _m	MPa	500
Elongation A ₅	[%]	10
Brinell-hardness HB 10/1000		150

Average chemical composition of all-weld-metal (%)

Cu	Al	Fe	Mn	Ni
Bal.	9,0	3,5	1,5	5,0

Gas types applicable TIG Gas types applicable MIG

I 1
I 1

Diameters available, welding current, unit weights

Diameter [mm]	Length [mm]	kgs per box [kg]
2,00	1000	10,0
2,40	1000	10,0
3,00	1000	10,0

MIG welding wire

Diameter 1,0mm 1,2mm 1,6mm

Welding positions MIG acc.to EN ISO 6947 Welding positions TIG acc.to EN ISO 6947

PA, PB, PF
PA, PB, PC, PE, PF

Current/Polarity TIG

= -

Current/Polarity MIG

= +