



CLASSIFICATIONS

EN ISO 24373	AWS A5.7
S Cu 1897 (CuAg1)	ERCu

KEY FEATURES AND APPLICATIONS

- Solid copper-based wire with approximately 1% Ag (Silver) content.
- Primarily used for welding of low-oxygen copper, wrought copper alloys, and cast copper materials (e.g., OF-Cu, SE-Cu, SF-Cu).
- Compared to pure copper, the weld metal has a higher temperature strength, higher creep strength, and a higher softening temperature.
- Typically used on electrical contacts, cables, rebuilding copper components, and installations made from copper tubes etc.

BASE MATERIALS

2.0040, 2.0070, 2.0076, 2.0090

CHEMICAL COMPOSITION OF WIRE %

	Cu	Al	Fe	Mn	Ni incl. Co	P	Pb	Si	As	Others
MIN	min. 99.5	-	-	-	-	0.01	-	-	-	0.2
MAX	incl. Ag	0.01	0.05	0.2	0.3	0.05	0.01	0.1	0.05	Ag: 0.8 to 1.2

Single values are maximum values according to EN ISO 24373 unless otherwise stated

MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL VALUES

Tensile Strength (MPa)	Hardness (HB)	Melting Temperature
≥170	~60	1070 - 1080°C

Test data for mechanical properties are not guaranteed since actual as welded conditions depend on numerous variables

OPERATING DATA

Shielding Gases	Polarity
EN ISO 14175 - I1, I3	DC-

PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Length (mm)	Weight (kg)	Packaging
XP40305	1.6	1000	5	PAP 20 Tube
XP40306	2.4	1000	5	PAP 20 Tube
XP40307	3.2	1000	5	PAP 20 Tube