



CLASSIFICATIONS

EN ISO 24373

S Cu 5410 (CuSn12P)

KEY FEATURES AND APPLICATIONS

- Solid copper-tin wire used for surfacing and joining of copper and CuSn-alloys.
- Offers high wear and good resistance against seawater.
- Depending on the base material thickness, preheating may be required.
- Typically used for oven soldering and brazing applications.

BASE MATERIALS

2.1016, 2.1020, 2.1030, 2.1050, 2.1052, 2.1056, 2.1080, 2.1086, 2.1090, CuSn8, CuSn7, CuSn6, CuSn4, G-CuSn10

CHEMICAL COMPOSITION OF WIRE %

	Cu	Al	P	Pb	Sn	Zn	Others
MIN	Bal.	-	0.01	-	11.0	-	0.4
MAX		0.005	0.4	0.02	13.0	0.05	

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
~320	~120	825 - 990°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
XP40353	1.6	1000	5	PAP 20 Tube
XP40354	2.4	1000	5	PAP 20 Tube
XP40355	3.2	1000	5	PAP 20 Tube