



### CLASSIFICATIONS

EN ISO 24373	AWS A5.7
S Cu 6180 (CuAl10Fe)	ERCuAl-A2

### KEY FEATURES AND APPLICATIONS

- Solid copper-aluminium wire used for build-up and joining of CuAl materials.
- Offers high wear and abrasion resistance.
- Depending on the base material thickness, preheating may be required.
- Typically used on seawater-resistant applications like ship propellers, pumps, shafts, and guide grooves etc.

### BASE MATERIALS

C 60600 - C 61600 - C 68700, DIN : Cu Al5 - Cu Al8 - CuZn20Al2, Werkstoff Nr : 2.0916 - 2.0920 - 2.0960

### CHEMICAL COMPOSITION OF WIRE %

	Cu	Al	Fe	Pb	Si	Zn	Others
MIN	Bal.	8.50	0.5	-	-	-	0.50
MAX		11.0	1.5	0.02	0.10	0.2	

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
≥415	130 - 150	1030 - 1040°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
XP40344	1.6	1000	5	PAP 20 Tube
XP40345	2.4	1000	5	PAP 20 Tube
XP40346	3.2	1000	5	PAP 20 Tube