utp maintenance

UTP A 34

solid wire

Classifications									
EN ISO 24373			AWS A5.7				Material-No.		
S Cu 6100 (CuAl7)			ER CuAl-A 1			2.0921			
Characteristics and field of use									
UTP A 34 is used for copper aluminium alloys (aluminium bronzes) with 5 – 9 % Al, copper-zinc alloys (brass and special brass). Weld cladding on cast iron materials and steel. The weld deposit of UTP A 34 is resistant to corrosion and seawater and has good gliding properties metal-metal. UTP A 34 is easy weldable and obtains a clean weld surface.									
Typical analysis in %									
Mn	Ni		Cu		Al		Fe)
< 0.5 < 0.5		balance		8.0		< 1		0.5	
Mechanical properties of the weld metal									
Yield strength R _{P0.2}		ensile rength R _m	Elong	ation A_5	Hardness	S	El. conduc- tivity		Melting range
MPa	M	Pa	%		HB		s·m/mm²		°C
180	40	400 40		120			8		1030 – 1040
Welding instruction									
The weld seam area has to be machined to a metallic bright by grinding, sand blasting or pickling in order to avoid crack formation or the development of pores.									
Approvals									
GL									
Wire diameter [mm]			Current type				Shielding gas (EN ISO 14175)		
0.8*			DC (+)			11			

Wire diameter [mm]	Current type	Shielding gas (EN ISO 14175)
0.8*	DC (+)	11
1.0	DC (+)	11
1.2	DC (+)	11
1.6	DC (+)	11
*available on request		

All information provided is based upon careful investigation and intensive research. However, we do not assume any liability for correctness and information is subject to change without notice.