

Classifications					
EN ISO 24373	AWS A5.7			Material-No.	
S Cu 1897 (CuAg1)	ER Cu			2.1211	
Characteristics and field of use					
<p>UTP A 38 is used for oxygen free copper types according to DIN 1787 OF-Cu, SE-Cu, SW-Cu, SF-Cu. The main applications are in the electrical industry e.g. for conductor rails or other applications where high electricity is required.</p> <p>Viscous weld puddle, fine grained structure, high electrical conductivity</p>					
Typical analysis in %					
Mn	Ni	Cu		Ag	
< 0,2	< 0,3	balance		1,0	
Mechanical properties of the weld metal					
Yield strength R _{PO,2}	Tensile strength R _m	Elongation A ₅	Hardness	El. conductivity S · m / mm ²	Melting range
MPa	MPa	%	HB		° C
80	200	20	60	30-45	1070-1080
Welding instruction					
<p>Clean welding area thoroughly. For wall thickness of > 3 mm a preheating is necessary (max 600° C).</p>					
Rod diameter x length [mm]	Current type			Shielding gas (EN ISO 14175)	
1,6 x 1000	DC (-)			I 1	
2,0 x 1000	DC (-)			I 1	
2,4 x 1000	DC (-)			I 1	
3,2 x 1000	DC (-)			I 1	