



**MATERIAL DATA SHEET CW 024A FORMERLY SF-CU (CU – DHP)**

DESCRIPTION: CW 024A is deoxidized copper with a limited but high residual phosphorus content that exhibits a very good weldability, brazeability and resistance to hydrogen. It features an outstanding deformation ability (workability) and is applied anywhere if the electrical conductivity is not a high priority.

CHEMICAL COMPOSITION		
	Cu	Phosphorus
%	99,9	0,015 - 0,04

MECHANICAL PROPERTIES ACCORDING TO DIN EN 12449 (GENERAL TUBING)							
State	Wall Thickness	Tensile Strength	0,2 %- Yield Point		Ultimate Strain	Hardness	
	t mm max.	Rm N/mm <sup>2</sup> min.	Rp 0,2 N/mm <sup>2</sup>		A % min.	HB (for your information)	
		min.	max.	min.		max.	
M		By agreement, without stipulated mechanical strength property					
R200	20	200	-	110	40	(35)	(60)
R250	10	250	150	-	20	(65)	(95)
R290	5	290	250	-	5	(90)	(115)
R360	3	360	320	-	-	(105)	(-)

USE: tubings for all kinds of cold- and warm-water installation plus heating elements, tubings for technical- and medical gases (except acetylene/alkyne), steam-, air- and oil lines, pipes and discs for heating systems, capacitors and heat exchangers, rainwater pipes, drains, finned tubes for radiators. refrigerator systems and air conditioning, pipes and appliance components for the food-, beverage-, and paper industry as well as the chemical industry, tubing for all non-corrosive fluids, strips, sheets and discs for roofing, external- and internal paneling and for sealing for the building sector, electrical- and electromagnetic shielding, anodes for electroplating and galvanoplasty, eaves gutters, rainwater heads, profile sheets, pressure tanks, storage-type plants and cylinders, distillation columns and still pots, radiators, compactors, barrels, autoclaves, electrostatic precipitators sheets, clad sheets, various household hardware, tuyeres, cooling forms, spiral tubes, guide- and gasket rings, electrodes as well as brazings etc.

NO RESPONSIBILITY IS TAKEN FOR THE CORRECTNESS OF THIS INFORMATION