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Phosphor Bronze Wire CuSn6 Metal Alloy Specification

Composition in % (m/m)									Density g/cm ³ approx.
Element	Cu	Fe	Ni	p	Pb	Sn	Zn	Others total	
Min	Rem.	-	-	0,01	-	5,5	-	-	8,8
Max	-	0,1	0,2	0,4	0,02	7,0	0,2	0,2	

Phosphor Bronze Wire CuSn6 Tensile Strength Specification

Material Condition	Nominal diameter mm			Tensile strength R_m N/mm ²		Previous condition designation for information only
	from	over	up to and including	min	max	
R380	0,1	-	0,5	380	480	soft

R370	-	0,5	1,5	370	470	CuSn6 phosphor bronze wire
R360	-	1,5	4,0	360	440	
H085	1,5	-	4,0	-	-	
R340	-	4,0	20,0	340	420	
H080	-	4,0	20,0	-	-	
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R480	0,1	-	0,5	480	590	quarter hard CuSn6 phosphor bronze wire
R460	-	0,5	1,5	460	560	
R430	-	1,5	4,0	430	530	
H125	1,5	-	4,0	-	-	
R420	-	4,0	20,0	420	520	
H120	-	4,0	20,0	-	-	
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R590	0,1	-	0,5	590	710	half hard CuSn6 phosphor bronze wire
R560	-	0,5	1,5	560	670	
R530	-	1,5	4,0	530	630	

H165	1,5	-	4,0	-	-	
R510	-	4,0	8,0	510	610	
H160	-	4,0	8,0	-	-	



R700	0,1	-	0,5	700	830	three quarter hard CuSn6 phosphor bronze wire
R670	-	0,5	1,5	670	790	
R630	-	1,5	4,0	630	740	
H190	1,5	-	4,0	-	-	
R600	-	4,0	8,0	600	710	
H185	-	4,0	8,0	-	-	



R830	0,1	-	0,5	830	980	hard CuSn6 phosphor bronze wire
R790	-	0,5	1,5	790	950	
R740	-	1,5	4,0	740	900	
H215	1,5	-	4,0	-	-	



R980	0,1	-	0,5	980	-	spring hard CuSn6 phosphor bronze wire
R950	-	0,5	1,5	950	-	
R900	-	1,5	4,0	900	-	
H245	1,5	-	4,0	-	-	