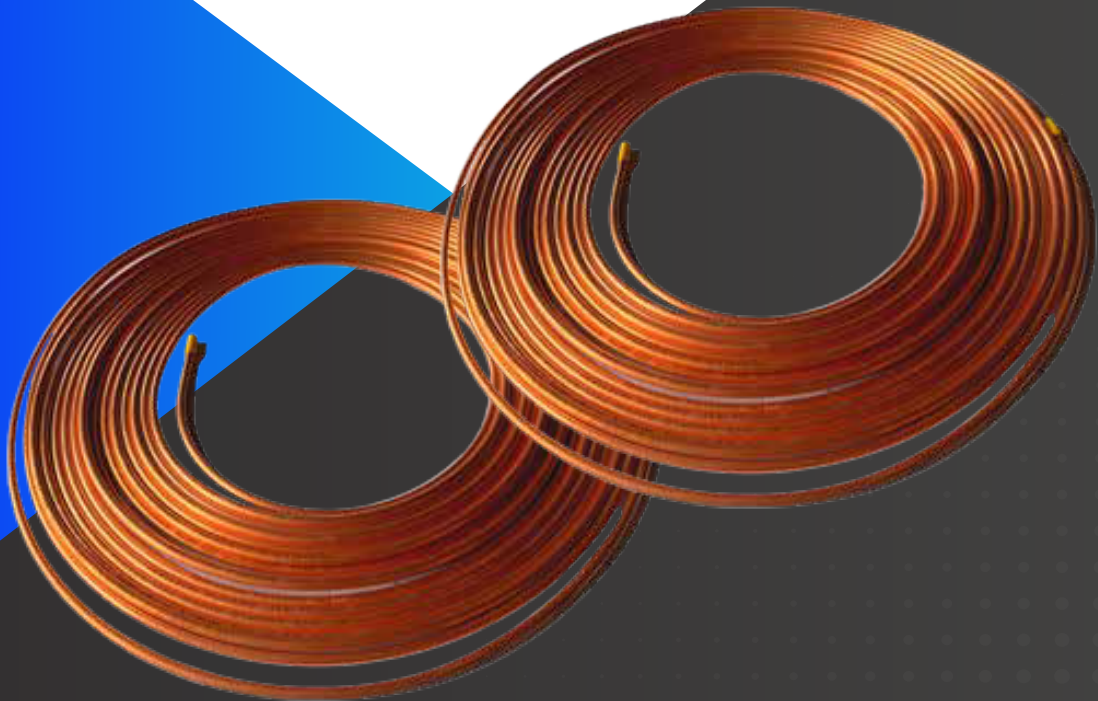


# COPPER COILS



### Dimension Specifications

JIS H3300 C1220T – Standard that specifies expanded copper and copper alloy seamless pipes and tubes, having round section.



**Copper Coils**

### Chemical Composition & Mechanical Properties

		Chemical Composition %		Tensile Strength N/mm <sup>2</sup>
		Cu	P	
<b>C1220T Copper Coil</b>	<b>Min.</b>	99.90	0.015	245
	<b>Max.</b>		0.040	324

### Pressure Ratings and Burst Strength

$$P = 2St_{min} \div D_{max} - 0.8t_{min}$$

**WHERE:**

**P** = Allowable pressure, psi

**S** = Maximum allowable stress in tension, psi

**t min** = Wall thickness (min.), in.

**D max** = Outside diameter (max.), in.

**C** = A constant

### Ordering Information

TC	-	C	-	S	-	MM	-	6	X	1.5
I		II		III		IV		V		VI

<b>I</b>	<b>Type of Item</b>		
TC	Copper Tubes		

<b>II</b>	<b>Material Type</b>		
T	Tubes		
C	Coils		

<b>III</b>	<b>Item Finish</b>		
FH	Full Hard		
HH	Half Hard		
S	Soft Annealed		

<b>IV</b>	<b>Size Designator</b>		
MM	Metric Size		
IN	Inches Size		
NB	Nominal Bore Size		
K	Type K Copper Tube		
L	Type L Copper Tube		

<b>V</b>	<b>Tube OD Sizes</b>		
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#### For Metric OD Sizes

Size	6MM	12MM	20MM	.....	35MM	38MM	42MM
Code	6	12	20		35	38	42

<b>V</b>	<b>Tube OD Sizes</b>		
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#### For Inch OD & Inch NB Sizes

Size	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
Code	02	04	05	06	08	10	12	14
Size	1"	1 1/8"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Code	16	18	20	24	32	40	48	64

<b>VI</b>	<b>Tube Thickness Sizes</b>		
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#### For Metric Sizes

Size	1.0MM	1.5MM	2.0MM	.....	4.0MM	5.0MM	10.0MM
Code	1.0	1.5	2.0		4.0	5.0	10.0

<b>VI</b>	<b>Tube Thickness Sizes</b>		
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#### For Inch Sizes

Size	0.035"	0.049"	0.065"	0.083"	0.095"
Code	035	049	065	083	095
Size	0.109"	0.120"	0.134"	0.156"	0.188"
Code	109	120	134	156	188

**Seamless Copper Coil JIS H3300 C1220T**

No	Part No	Description	Weight/ 15 meter (Kg)
1	TC-C-S-IN-04X0.71	1/4"OD x 0.71MM THK x 15 MTR COPPER COIL	1.69
2	TC-C-S-IN-04X0.85	1/4"OD x 0.85MM THK x 15 MTR COPPER COIL	1.97
3	TC-C-S-IN-04X0.89	1/4"OD x 0.89MM THK x 15 MTR COPPER COIL	2.05
4	TC-C-S-IN-04X1.24	1/4"OD x 1.24MM THK x 15 MTR COPPER COIL	2.67
5	TC-C-S-IN-05X0.85	5/16"OD x 0.85MM THK x 15 MTR COPPER COIL	1.97
6	TC-C-S-IN-05X0.89	5/16"OD x 0.89MM THK x 15 MTR COPPER COIL	2.05
7	TC-C-S-IN-05X1.5	5/16"OD x 1.5MM THK x 15 MTR COPPER COIL	3.07
8	TC-C-S-IN-06X0.65	3/8"OD x 0.65MM THK x 15 MTR COPPER COIL	-
9	TC-C-S-IN-06X0.71	3/8"OD x 0.71MM THK x 15 MTR COPPER COIL	2.64
10	TC-C-S-IN-06X0.89	3/8"OD x 0.89MM THK x 15 MTR COPPER COIL	3.24
11	TC-C-S-IN-06X1.2	3/8"OD x 1.2MM THK x 15 MTR COPPER COIL	4.21
12	TC-C-S-IN-06X1.5	3/8"OD x 1.5MM THK x 15 MTR COPPER COIL	5.07
13	TC-C-S-IN-08X0.71	1/2"OD x 0.71MM THK x 15 MTR COPPER COIL	3.59
14	TC-C-S-IN-08X0.89	1/2"OD x 0.89MM THK x 15 MTR COPPER COIL	4.43
15	TC-C-S-IN-08X1.2	1/2"OD x 1.2MM THK x 15 MTR COPPER COIL	5.82
16	TC-C-S-IN-08X1.5	1/2"OD x 1.5MM THK x 15 MTR COPPER COIL	7.08
17	TC-C-S-IN-10X0.71	5/8"OD x 0.71MM THK x 15 MTR COPPER COIL	4.54
18	TC-C-S-IN-10X1.2	5/8"OD x 1.2MM THK x 15 MTR COPPER COIL	7.42
19	TC-C-S-IN-10X1.5	5/8"OD x 1.5MM THK x 15 MTR COPPER COIL	9.09
20	TC-C-S-IN-12X1.2	3/4"OD x 1.2MM THK x 15 MTR COPPER COIL	9.03
21	TC-C-S-IN-12X1.5	3/4"OD x 1.5MM THK x 15 MTR COPPER COIL	11.1
22	TC-C-S-MM-6X1.0	6MM OD x 1.0MM THK x 15 MTR COPPER COIL	2.11
23	TC-C-S-MM-8X1.0	8MM OD x 1.0MM THK x 15 MTR COPPER COIL	2.95
24	TC-C-S-MM-8X1.2	8MM OD x 1.2MM THK x 15 MTR COPPER COIL	3.44
25	TC-C-S-MM-10X1.0	10MM OD x 1.0MM THK x 15 MTR COPPER COIL	3.79
26	TC-C-S-MM-10X1.2	10MM OD x 1.2MM THK x 15 MTR COPPER COIL	4.45
27	TC-C-S-MM-10X1.5	10MM OD x 1.5MM THK x 15 MTR COPPER COIL	5.37
28	TC-C-S-MM-12X1.0	12MM OD x 1.0MM THK x 15 MTR COPPER COIL	4.64
29	TC-C-S-MM-12X1.2	12MM OD x 1.2MM THK x 15 MTR COPPER COIL	5.46
30	TC-C-S-MM-12X1.4	12MM OD x 1.4MM THK x 15 MTR COPPER COIL	6.26
31	TC-C-S-MM-12X1.5	12MM OD x 1.5MM THK x 15 MTR COPPER COIL	6.64
32	TC-C-S-MM-14X1.2	14MM OD x 1.2MM THK x 15 MTR COPPER COIL	6.47
33	TC-C-S-MM-14X1.5	14MM OD x 1.5MM THK x 15 MTR COPPER COIL	7.90
34	TC-C-S-MM-15X1.2	15MM OD x 1.2MM THK x 15 MTR COPPER COIL	6.98
35	TC-C-S-MM-15X1.5	15MM OD x 1.5MM THK x 15 MTR COPPER COIL	8.54



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