

Copper tube for air conditioning and refrigeration

cuprofrío, the seamless drawn Wieland refrigeration tube is mainly used to transport technical gases and liquids in chillers, air-conditioning and refrigeration units as well as heat exchangers. An outstanding characteristic of cuprofrío is its clean and dry inner surface.

The tube ends are closed to maintain the defined condition of the inner surface also during storage and transportation.

cuprofrío tube meets the requirements of EN 12735-1 for copper tube used in air-conditioning and refrigeration. cuprofrío also meets the requirements of the Pressure Equipment Directive 2014/68/EU.

Wieland-Werke AG has concluded a separate warranty agreement with VDKF (Verband Deutscher Kälte-Klima-Fachbetriebe e. V. – Association of Refrigeration and Air Conditioning Contractors) covering property damage and bodily injury.

Material: Cu-DHP, Wieland-K20
 Design: EN 12735-1
 Pressure Equipment Directive: compliant
 Environmental declaration: according to ISO 14025



cuprofrío standard dimensions from stock

Dimension (mm)	Weight nominal (kg/m)	Operating pressure** (bar)	Straight lengths (m/cardboard box***)
4 x 1	0.084	366	2 x 35
6 x 1	0.140	224	2 x 35
6 x 1	0.140	224	25
8 x 1	0.197	162	2 x 35
8 x 1	0.197	162	25
10 x 1	0.253	126	25
10 x 1	0.253	126	35
12 x 1	0.309	104	25
14 x 1	0.365	88	35
15 x 1	0.393	82	25
16 x 1	0.421	76	25
18 x 1	0.477	66	25
22 x 1	0.590	53	25

cuprofrío standard dimensions from stock in coils

10 x 1	0.253	126	100 (loose)
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* other dimensions are available on request

** calculated with 3.0 times safety coefficient on the basis of soft copper tubes with R_m 200 N/mm² at an operating temperature of 100 °C according to EN 14726

*** packing unit

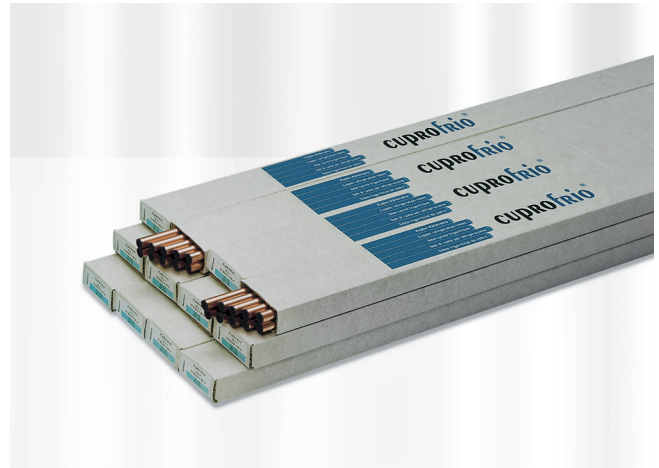
cuprofrío standard dimensions from stock* in straight lengths, temper hard as drawn

Dimension (mm)	Weight nominal (kg/m)	Operating pressure** (bar)	Straight lengths (m/cardboard box***)
6 x 1	0.140	224	200
8 x 1	0.197	162	100
10 x 1	0.253	126	75
12 x 1	0.309	104	50
14 x 1	0.365	88	50
15 x 1	0.393	82	50
16 x 1	0.421	76	50
18 x 1	0.477	66	50
22 x 1	0.590	53	50
28 x 1	0.758	42	50
28 x 1.5	1.116	63	25
35 x 1	0.955	33	25
35 x 1.5	1.411	50	25
42 x 1	1.152	28	25
42 x 1.5	1.706	42	25
54 x 1.5	2.212	32	20
54 x 2	2.921	43	20
64 x 2	3.483	36	5 m w/o cardboard
76.1 x 2	4.162	30	5 m w/o cardboard
88.9 x 2	4.881	26	5 m w/o cardboard
108 x 2.5	7.408	27	5 m w/o cardboard

* other dimensions are available on request

** calculated with 3.0 times safety coefficient on the basis of soft copper tubes with R_m 200 N/mm² at an operating temperature of 100 °C according to EN 14726

*** packing unit



cuprofrío standard dimensions from stock* in straight lengths, temper half hard

Dimension (mm)	Weight nominal (kg/m)	Operating pressure** (bar)	Straight lengths (m/cardboard box***)
10 x 1	0.253	126	75
12 x 1	0.309	104	50
16 x 1	0.421	76	50
18 x 1	0.477	66	50
22 x 1	0.590	53	50
28 x 1	0.758	42	50

cuprofrío standard dimensions from stock* in straight lengths, temper soft, in wooden box

28 x 1.5	1.116	63	600
35 x 1.5	1.411	50	500
42 x 1.5	1.706	42	350
54 x 2	2.921	43	200

* other dimensions are available on request

** calculated with 3.0 times safety coefficient on the basis of soft copper tubes with R_m 200 N/mm² at an operating temperature of 100 °C according to EN 14726

*** packing unit