

## Copper bars

Tecnofil 

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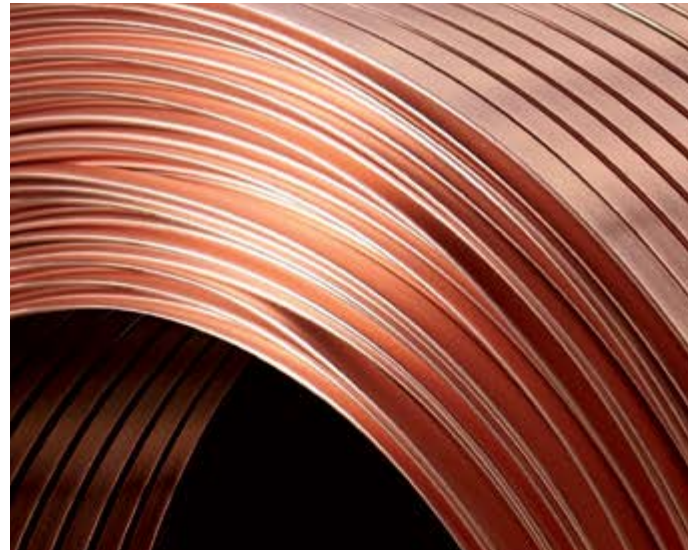
## Copper bus bar and flat wire

Tecnofil's long experience in continuous rotary forming extrusion enables us to offer a wide variety of high conductivity copper bars, bus bar, flat wire and shapes. Our variety of bars are used in busways, switchboards, transformers, control panels, heat sinks, commutators and many other applications.

		Width														
		0.25	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8.5	
		in.														
		mm	6	12	25	38	50	63	76	89	102	114	127	152	178	216
Thickness	0.079	2														
	0.100	2.5														
	0.125	3														
	0.250	6														
	0.375	9														
	0.500	12														
	0.625	16														
	0.750	19														
	0.875	22														
	1.000	25														
	1.125	28														
	1.250	32														
	1.375	35														
	1.500	38														
	1.625	41														
	1.750	44														
	1.875	48														
	2.000	50														
	2.125	54														
	2.250	57														
2.375	60															
2.500	63															
3.000	76															

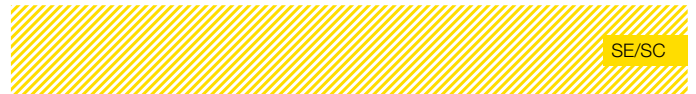
Straight lengths from 1.5 m. to 6 m. (our standard is 12 ft.)

	Coils (Made in Peru)
	Straight lengths (Made in Peru)
	Straight lengths and coils (Made in Peru)
	Straight lengths (Made in U.S.A.)
	Straight lengths (Made in Peru and U.S.A.)
	Straight lengths and coils (Made in Peru and U.S.A)



## Edges and tolerances

Edge	Radius tolerance (ASTM)		
	Thickness	in	mm
SE/SC	Up to 3/16 incl	1/64 max	0.4 max
	Over 3/16 to 1 incl	1/64 to 1/32	0.4 to 0.8
	Over 1	1/32 to 1/16	0.8 to 1.6
RC	Up to 1/8 incl	1/85 to 1/51	0.3 to 0.5
	Over 1/8 to 3/16 incl	1/43 to 1/25	0.6 to 1.0
	Over 3/16 to 1 incl	1/21 to 1/12.7	1.2 to 2.0
	Over 1	1/10.4 to 1/6.43	2.40 to 3.95
FRE	All sizes	0.5 to 0.625 x Thickness	



## Copper

### Oxygen Free

Code	Alloy	Cu	O2 max
Cu-OFE	C 101	99.99	0.0005
Cu-OF	C 102	99.95	0.0010
Cu-ETP	C 110	99.90	0.02 - 0.04

## Silver bearing

### Oxygen Free

Code	Alloy	Cu	Ag	O2 max
Cu-Ag	C 104	99.95	0.027	0.001
	C 105	99.95	0.034	0.001
	C 107	99.95	0.085	0.001

## Copper phosphorus

Code	Alloy	Cu	P
Cu-DMP	C 122	99.90	0.0275
	C 12220	99.90	0.0525

## International standards

	American		European		Japanese	
	Alloy	Norm	Alloy	Norm	Alloy	Norm
Copper bus bar and flat wire	C 10100 C 10200 C 11000	ASTM B187 - 15	Cu-FRHC Cu-OF Cu-ETP	DIN EN 13601	C 1020 C 1100	JIS H 3140
Copper falt wire coils	C 10100 C 10200 C 11000	ASTM B152 - 13	Cu-FRHC Cu-OF Cu-ETP	DIN EN 13599 - 2014	C 1020 C 1100	JIS H 3100