

Round Wire

Product Characteristics:

- Material
- Diameter
- Length¹
- Weight
- Straight lengths, coils or spooled
- Tolerances (if different from the ‘Standard Specifications’)
- Tensile and Elongation or temper (see charts in appendix)
- Surface finish and quality

Available Materials:

From stock: 10Y, 10W, 14Y, 14W, 14D, 18Y, 18W, 18D, 19W, 24Y, SSW, FIS, COS, ANT, FPT, 90W, 95R, 95H

Made to order: 10H, 10G, 10R, 14H, 14G, 14R, 18G, 18R, 22Y, FPD or any customer specified alloy

Production Capabilities:

	MINIMUM	MAXIMUM	TOLERANCE	COMMENTS
DIAMETER	0.15 mm/0.006" (0.20mm/0.0078" for fine Ag)	15.0 mm/0.590"	0.03 mm/0.0012"	>1.01 mm/0.0397"
			0.01 mm/0.0004"	<1.0 mm/0.03937"
LENGTH (STRAIGHT PIECES)	1.0mm/0.03937"	15.0 mm/0.590"		Standard length is 304.8mm/1 ft. to 1219mm/4 ft. Longer lengths are coiled
COILED	0.75 mm/0.0295"	3.0 mm /0.118"		6", 8" and 12" coils available Larger diameter wire may be coiled depending on temper (soft)
WHITE SPOOL	0.10 mm/0.004"	2.0 mm/0.0787"		6" diameter, capacity approx.. 2.5 Kg
BLACK SPOOL	1.0mm/0.03937"	3.0mm/0.118"		12" diameter, capacity approx.. 8 Kg

Other dimensions and tolerances may be available on request

Temper:

Standard temper is soft² unless specified. Other tempers are available on request

Surface:

Uniform in appearance, of typical color for the alloy ordered, and free of orange peel, foreign inclusions, oxide or tarnish, scratches greater than 0.02mm/0.0008" and blisters. Items ordered at soft temper may not appear shiny when first received. Once polished, rolled or drawn the surface will shine up.

Wire can be supplied in one of two finishes:

As drawn: in this case the surface roughness is less than 12µm (diamond dies <1.0mm / .040" less than 8µm). The surface is smooth and reflective

Brushed: in this case the surface roughness is greater than 12µm. The surface is smooth and no clear reflection is visible.

Packaging:

Box or envelope depending on the size of the product

¹ Instead of the length also the mass can be used to define the volume ordered.

² The standard temper for wire from Ready-Stock™ is half hard.