

Precious Metal and Specialty Wire



New! Micro coaxial cables (MAXxxxx) are ideal for microelectrode fabrication and construction of similar research tools. The dual shielding eliminates electrical interference caused by radio frequencies (RF), electrostatic and microphonics (e.g., bending and vibration). Available with single or dual (twin) conductors.

Teflon-coated stainless steel (type 304) wire (SSTxxxx) is available in 25-ft and 50-ft lengths. The Teflon coating is 150 micro-in. thick (4 µm).

Carbon wire (C3005) is a single 30-micron fiber of electrochemically activated carbon. This fiber is especially useful in micro-electrochemical experiments.

Platinum/iridium wire — uncoated (PTxxxx) and Teflon-coated (PTTxxxx) — is an alloy of 90% platinum and 10% iridium, giving excellent tensile strength and corrosion resistance. Uncoated pure platinum wire (PTPxxx) is 99.95% pure.

Indium wire (IN1003) is 99.99% pure, with a melting point of 156.4°C.

Annealed silver wire (AGWxxxx), 99.99% pure, is available in five diameters; three of those sizes are also available with a Teflon coating (AGTxxxx).

Tungsten wire (TGWxxxx), available in three diameters, is 99.95% pure.

Gold wire (AUWxxxx) is 99.99% pure.

Titanium wire (Tlxxxx) is 98.9% pure, annealed, in two diameters.

Stainless steel wire (SSxxxxx) is type 316.

Catalog No.	Metal	Coating	AWG*	Diameter	Precut Length
AGT0510	Silver	Teflon	36	0.005 in. (0.125 mm) ¹	10 ft (3 m)
AGT0525	Silver	Teflon	36	0.005 in. (0.125 mm) ¹	25 ft (7.6 m)
AGT05100	Silver	Teflon	36	0.005 in. (0.125 mm) ¹	100 ft (30 m)
AGT1010	Silver	Teflon	30	0.010 in. (0.25 mm) ¹	10 ft (3 m)
AGT1025	Silver	Teflon	30	0.010 in. (0.25 mm) ¹	25 ft (7.6 m)
AGT10100	Silver	Teflon	30	0.010 in. (0.25 mm) ¹	100 ft (30 m)
AGT1510	Silver	Teflon	26-27	0.015 in. (0.38 mm) ¹	10 ft (3 m)
AGT1530	Silver	Teflon	26-27	0.015 in. (0.38 mm) ¹	30 ft (9.1 m)
AGW0510	Silver	—	36	0.005 in. (0.125 mm)	10 ft (3 m)
AGW0530	Silver	—	36	0.005 in. (0.125 mm)	30 ft (9.1 m)
AGW1010	Silver	—	30	0.010 in. (0.25 mm)	10 ft (3 m)
AGW1030	Silver	—	30	0.010 in. (0.25 mm)	30 ft (9.1 m)
AGW1510	Silver	—	26-27	0.015 in. (0.38 mm)	10 ft (3 m)
AGW1530	Silver	—	26-27	0.015 in. (0.38 mm)	30 ft (9.1 m)
AGW2010	Silver	—	24	0.020 in. (0.5 mm)	10 ft (3 m)
AGW2030	Silver	—	24	0.020 in. (0.5 mm)	30 ft (9.1 m)
AGW4010	Silver	—	18	0.040 in. (1.0 mm)	10 ft (3 m)
AUW0170	Gold	—	50	0.001 in. (0.025 mm)	70 ft (21 m)
AUW201	Gold	—	24	0.020 in. (0.5 mm)	1 ft (30 cm)
C3005	Carbon	—	49	0.0012 in. (30 µm)	5 ft (1.5 m)
PT1002	Platinum / Iridium	—	30	0.010 in. (0.25 mm)	2 ft (61 cm)
PT0402	Platinum / Iridium	—	38	0.004 in. (0.102 mm)	2 ft (61 cm)
PT0203	Platinum / Iridium	—	44	0.002 in. (0.051 mm)	3 ft (91 cm)
PT0110	Platinum / Iridium	—	50	0.001 in. (0.025 mm)	10 ft (3 m)
PTP101	Platinum	—	30	0.010 in. (0.25 mm)	1 ft (30 cm)
PTP201	Platinum	—	24	0.020 in. (0.5 mm)	1 ft (30 cm)
PTP401	Platinum	—	18	0.039 in. (1.0 mm)	1 ft (30 cm)
PTP406	Platinum	—	18	0.039 in. (1.0 mm)	0.5 ft (15.2 cm)
PTT0502	Platinum / Iridium	Teflon	36	0.005 in. (0.125 mm) ¹	2 ft (61 cm)
PTT0203	Platinum / Iridium	Teflon	44	0.002 in. (0.051 mm) ¹	3 ft (91 cm)
PTT0110	Platinum / Iridium	Teflon	50	0.001 in. (0.025 mm) ¹	10 ft (3 m)
SS31605	Stainless Steel	—	36	0.005 in. (0.125 mm)	50 ft (15.2 m)
SS31614	Stainless Steel	—	27	0.014 in. (0.36 mm)	30 ft (9.1 m)
SST30407-25	Stainless Steel	Teflon	33	0.007 in. (0.18 mm) ³	25 ft (7.6 m)
SST30407-50	Stainless Steel	Teflon	33	0.007 in. (0.18 mm) ³	50 ft (15.2 m)
TGW0325	Tungsten	—	40	0.003 in. (0.075 mm)	25 ft (7.6 m)
TGW0515	Tungsten	—	36	0.005 in. (0.125 mm)	15 ft (4.6 m)
TGW1510	Tungsten	—	26-27	0.015 in. (0.38 mm)	10 ft (3 m)
Microcoaxial Cables					
MAX3820	Tinned Cu Alloy	Coaxial		0.0173 in. (0.44 mm)	20 ft (6 m) ⁴
MAX4020	Tinned Cu Alloy	Twin Coaxial		0.0158x0.024 in. (0.4x0.61mm)	20 ft (6 m) ⁵

*Brown & Sharpe

¹ Plus 0.002 in. for Teflon coating

³ Teflon adds 0.00015 in. (4 µm) to diameter

⁴ Impedance: 50 ohm; capacitance: 95 pF/m; resistance: 5 ohm/m

⁵ Impedance: 100 ohm; capacitance: 54 pF/m; resistance: 1.9 ohm/m