

**A-M Systems****FILS ISOLES**

Catalog #	Bare Diameter		Coated Diameter		Nominal AWG		Length / Spool	
	in	µm	in	µm	Bare	Coated	ft	m

GOLD PFA-Insulated

751020	0.002	50.800	0.004	101.600	44	38	10.000	3.048
751000	0.003	76.200	0.0055	139.700	41	36	10.000	3.048

SILVER PFA-Insulated

785500	0.003	76.200	0.0055	139.700	41	36	25.000	7.620
786000	0.005	127.000	0.007	177.800	36	32	25.000	7.620
786500	0.008	203.200	0.011	279.40	32	30	25.000	7.620
787000	0.010	254.00	0.013	330.200	30	28	25.000	7.620
787500	0.015	381.000	0.019	482.600	27	25	25.000	7.620
788000	0.025	635.000	0.030	762.000	22	21	25.000	7.620

PLATINIUM PFA-Insulated

771000	0.002	50.800	0.004	101.600	44	38	10.000	3.048
772000	0.003	76.200	0.0055	139.700	41	36	10.000	3.048
773000	0.005	127.000	0.008	203.200	36	32	10.000	3.048

PLATINIUM ISONEL-Insulated *

769000	0.0010	25.400	0.0011	27.940	50	50	10.000	3.048
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PLATINIUM IRIIDIUM PFA-Insulated

776000	0.002	50.800	0.004	101.600	44	38	10.000	3.048
777000	0.003	76.200	0.0055	139.700	41	36	10.000	3.048
778000	0.005	127.000	0.008	203.200	36	32	10.000	3.048
775003	0.001	25.400	0.0013	33.020	50	48	10.000	3.048

NICHROME

761000	0.0007	17.780	0.001	25.400	53	50	500.000	152.400
761500	0.0010	25.400	0.0015	38.100	50	47	500.000	152.400
762000	0.002	50.800	0.0026	66.040	44	42	500.000	152.400

*Isonel-insulated Platinum wire offers the researcher a good choice for electrode arrays which require embedding in plastic resins. Isonel is a high temperature polyester enamel which forms a tighter bond to the platinum wire compared to ultra-low noise fluoropolymer-based plastic.

**TUNGSTEN / TUNGSTENE**

Catalog #	Bare Diameter		Coated Diameter		Nominal AWG		Length / Spool	
	in	µm	in	µm	Bare	Coated	ft	m
795500	0.002	50.800	0.004	101.600	44	38	25.000	7.620
796000	0.003	76.200	0.0045	114.300	41	36	25.000	7.620
796500	0.005	127.000	0.007	203.200	36	32	25.000	7.620
797000	0.008	203.200	0.011	279.400	32	30	25.000	7.620

STAINLESS STEEL

Stainless Steel Wire features Type 316 composition, except for Double Spring strength which has an Elgiloy composition. All Stainless Steel Wire is stress annealed to optimize handling characteristics.

Annealed, Full, and Half are descriptive terms for the way the wire was cured in the drawing process. Each of these techniques will help yield different tensile strengths given in thousands of pounds per square inch (kPSI). The main points to think about are that the higher the kPSI the more brittle the wire is but the better it retains its shape. The high kPSI wire is good for making straight electrodes that need to penetrate through tissue. The low kPSI is a softer more flexible wire, it is less likely to break if you repetitively bend the wire. This low kPSI wire is good for making twisted pair electrodes.

Single-Stranded Stainless Steel Wire (PFA-Insulated)

Catalog Number	Bare Diameter		Coated Diameter		Nominal AWG		Hardness		Length / Spool	
	in	µm	in	µm	Bare	Coated	Strength	kPSI	ft	m
790500	0.002	50.800	0.0045	114.300	44	37	Annealed	110-140	100.000	30.480
790700	0.002	50.800	0.0045	114.300	44	37	Full	215-245	100.000	30.480
790600	0.002	50.800	0.0045	114.300	44	37	Half	155-185	100.000	30.480
790900	0.003	76.200	0.0055	139.700	41	36	Annealed	110-140	100.000	30.480
791100	0.003	76.200	0.0055	139.7	41	36	Full	215-245	100.000	30.480
791000	0.003	76.200	0.0055	139.700	41	36	Half	155-185	100.000	30.480
791400	0.005	127.000	0.008	203.200	36	32	Annealed	110-140	100.000	30.480
791600	0.005	127.000	0.008	203.200	36	32	Full	215-245	100.000	30.480
791500	0.005	127.000	0.008	203.200	36	32	Half	155-185	100.000	30.480
791900	0.008	203.200	0.011	279.400	32	30	Annealed	110-140	100.000	30.480
792100	0.008	203.200	0.011	279.400	32	30	Full	215-245	100.000	30.480
792000	0.008	203.200	0.011	279.400	32	30	Half	155-185	100.000	30.480
792400	0.010	254.000	0.013	330.200	30	28	Annealed	110-140	100.000	30.480
792500	0.010	254.000	0.130	330.200	30	28	Half	155-185	100.000	30.480
792300	0.010	254.000	0.013	330.200	30	28	Full	215-245	100.000	30.480



PHYMEP

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Multi-Stranded Stainless Steel Wire (PFA-Insulated)

Catalog Number	Strands	Strand Diameter		Multi-Strand Bare Diameter		Multi-Strand Coated Diameter		Nominal AWG		Length / Spool	
		in	µm	in	µm	in	µm	Bare	Coated	ft	m
793400	3	0.002	50.8	0.004	101.6	0.006	152.4	38	35	25	7.620
793200	7	0.001	25.4	0.003	76.2	0.0055	139.7	41	36	25	7.620
793500	7	0.002	50.8	0.006	152.4	0.009	228.6	35	31	25	7.620