

Phoenix Wire, Inc.

Providing your PTFE Wire needs
with solutions!



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Using the best insulation known and capitalizing on experience in the insulating of PTFE, dating back to 1951. Phoenix Wire has developed a multi-layer thin wall wire to aid in miniaturization.

300 Volt Service

Operating temperature -90°C to +250°C

Silver Plated Conductors

Multi-layer PTFE Insulation insures uniformity, quality, concentricity and allows for a thin insulation wall

Extreme Flexibility; Long Lengths; Natural Lubricity

No danger from soldering irons

Chemically Inert; Weather Resistant; Nonflammable;
Zero Moisture Absorption

Available in 10 bright RoHS compliant colors upon request

Space & Weight savings invaluable in miniaturization

Cables: Parallel flat, triangular and twisted multi conductor cables available

MHW - MICROMINIATURE HOOK-UP WIRE

Catalog Number	AWG Size	Bare		Insulated Wall Thickness		Insulated Wire Diameter		
		Conductor Diameter	Stranding	Minimum	Maximum	Minimum	Nominal	Maximum
30738MHW	30	.0120	7/38	.0020	.0030	.0160	.0170	.0180
301040MHW	30	.0114	10/40	.0020	.0030	.0154	.0164	.0174
301942MHW	30	.0125	19/42	.0020	.0030	.0165	.0175	.0185
302544MHW	30	.0115	25/44	.0020	.0030	.0155	.0165	.0175
304046MHW	30	.0117	40/46	.0020	.0030	.0157	.0167	.0177
32740MHW	32	.0093	7/40	.0020	.0030	.0133	.0143	.0153
321944MHW	32	.0100	19/44	.0020	.0030	.0140	.0150	.0160
322546MHW	32	.0093	25/46	.0020	.0030	.0133	.0143	.0153
326550MHW	32	.0093	65/50*	.0020	.0030	.0133	.0143	.0153
34742MHW	34	.0075	7/42	.0020	.0030	.0115	.0125	.0135
341044MHW	34	.0073	10/44	.0020	.0027	.0113	.0120	.0127
341946MHW	34	.0080	19/46	.0020	.0030	.0120	.0130	.0140
344150MHW	34	.0073	41/50*	.0019	.0025	.0111	.0117	.0123
36744MHW	36	.0060	7/44	.0011	.0023	.0082	.0094	.0106
361046MHW	36	.0059	10/46	.0011	.0023	.0081	.0093	.0105
362650MHW	36	.0058	26/50*	.0011	.0021	.0080	.0090	.0100
38746MHW	38	.0048	7/46	.0015	.0020	.0078	.0083	.0088
381750MHW	38	.0046	17/50*	.0015	.0018	.0076	.0079	.0082
401050MHW	40	.0037	10/50*	.0010	.0016	.0057	.0063	.0069
42750MHW	42	.0031	7/50*	.0010	.0015	.0051	.0056	.0061

* Bare Copper Conductor

TDQ - SUBMINIATURE LEAD WIRE

For greater economy, but still retaining all the features of our MHW (with the exception of flexibility) try our TDQ Wire.

Bare Copper or Silver-Plated Copper Conductor standard.

Conductor of your choice may also be used.

Catalog Number	AWG Size	Bare Conductor Diameter	Insulation Wall Thickness		Insulated Wire Diameter		
			Minimum	Maximum	Minimum	Nominal	Maximum
24TDQ	24	.0201	.0035	.0049	.0269	.0285	.0301
26TDQ	26	.0159	.0032	.0045	.0222	.0236	.0251
28TDQ	28	.0126	.0029	.0039	.0183	.0194	.0206
30TDQ	30	.0100	.0027	.0036	.0153	.0163	.0173
32TDQ	32	.0080	.0025	.0032	.0129	.0137	.0145
34TDQ	34	.0063	.0021	.0027	.0104	.0111	.0118
36TDQ	36	.0050	.0019	.0023	.0087	.0092	.0097
38TDQ	38	.0040	.0016	.0019	.0071	.0075	.0079
40TDQ	40	.0031	.0013	.0015	.0056	.0059	.0062
42TDQ	42	.0025	.0010	.0012	.0044	.0047	.0050
44TDQ	44	.0020	.0009	.0011	.0037	.0040	.0043