MWS
Wire Industries

THE

LARGEST

SUPPLIER OF

PICKUP WIRE

FOR THE MUSIC

INDUSTRY IN

THE WORLD

For over 45 years, MWS Wire Industries has been the premier supplier of wire for the music and pickup industries

Spool for spool, MWS offers the tightest dimensional and DC resistance tolerances available. Our strict manufacturing standards ensure you get the highest quality of wire you need to establish repeatability on the final product.

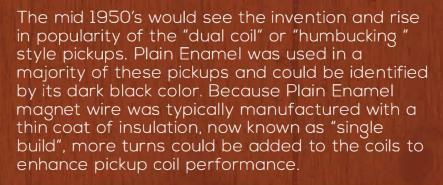# PICKUP WIRE ENAMEL TYPES

FORMVAR

From the early 1950's through mid-1960's, Formvar was used by the era's foremost guitar manufacturers in a majority of their "single coil" style pickups. The natural color of Formvar insulation is amber. Those who use Formvar in their pickups today say that it produces similar tonal quality to those vintage pickups of the 1950's and 1960's.

PLAIN ENAMEL

The mid 1950's would see the invention and rise in popularity of the "dual coil" or "humbucking " style pickups. Plain Enamel was used in a majority of these pickups and could be identified by its dark black color. Because Plain Enamel magnet wire was typically manufactured with a thin coat of insulation, now known as "single build", more turns could be added to the coils to enhance pickup coil performance.
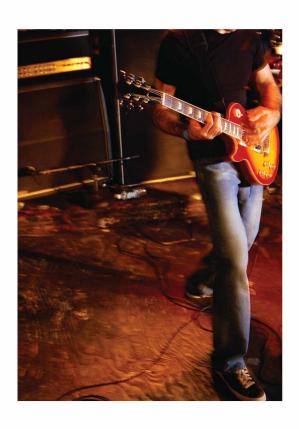
POLYURETHANE & POLYURETHANE NYLON

Polyurethane and polyurethane base nylon top-coated insulation are newer and have the advantage of being solder-strippable, with no need to sand off insulation in order to terminate. Wire with these insulations winds well into compact coils and quality exceeds most industry standards.

TECHNICAL DATA

DIMENSIONS

AWG	BUILD	MIN.	NOM.	MAX.
		(all dimensions in inches)		
41	Bare	.0027	.0028	.0029
	Single	.0030	.0032	.0033
	Heavy	.0032	.0035	.0037
42	Bare	.0024	.0025	.0026
	Single	.0026	.0028	.0030
	Heavy	.0029	.0031	.0033
43	Bare	.0021	.0022	.0023
	Single	.0023	.0025	.0027
	Heavy	.0025	.0027	.0039

NOTE: "Plain Enamel" only available in single build.

DC RESISTANCE

AWG	Bare Diameter (inches)	DC Resistance (ohms/foot)
41	.0027	1.423
	.0028	1.323
	.0029	1.233
42	.0024	1.801
	.0025	1.659
	.0026	1.534
43	.0024	2.352
	.0025	2.143
	.0026	1.960

NOTE: Tighter tolerances available upon request