

	MAR-MAC Industries, Inc. 229 Mar Mac Wire Rd. McBee, SC 29101 843-335-5000	Title: Premium Plastic Coated Coil Wire	
		MQS Doc No. 5544	Prev. Doc. No. S7SP082
		Product Grouping: Premium Coil Wire	
		Origin Date: 6/18/12	Revision 2 Date: 7/31/17
		Responsible Person:	Tracy Gooding

Premium Plastic Coated Coil Wire Certification

Standard Requirements:

MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire is drawn, annealed, coated, coiled, and packaged in the USA and complies with “Buy American” and “Buy America” standards. MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire conforms to the ASTM A853 specification and to the ASTM A775 specification, appendix section X1.3.13. (The AASHTO designation M-284M/M 284 has been superseded by ASTM A775). MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire also conforms to the requirements of “American Iron and Steel (AIS)” as outlined in provisions P.L. 113-76, the Consolidated Appropriations Act, 2014.

Chemical Requirements:

MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire is produced using a C1006 or C1008 grade of steel as specified in ASTM A510 and ASTM A1040.

Physical Requirements:

Core Wire - The core wire used to produce MAR-MAC Industries, Inc. Premium Coil Wire is annealed in a “dead soft” annealing cycle. The wire used is annealed to a tensile range of 40,000psi to 54,000psi. The final tensile range after processing and plastic coating will be 40,000psi to 60,000psi.

Core Wire Diameter:

14 Gauge		15 Gauge		16 Gauge		16.5 Gauge	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
.079”	.081”	.071”	.073”	.062”	.064”	.057”	.059”

Coating – MAR-MAC Industries, Inc. plastic coated coil wire is coated with a bonded HDPE (High-Density Polyethylene). Polyethylene is considered a dielectric material with a dielectric constant of 2.25. The thickness of the coating is 7 mils +/- 2.

Overall Diameter:

14 Gauge		15 Gauge		16 Gauge		16.5 Gauge	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
.092”	.096”	.084”	.088”	.075”	.079”	.070”	.074”

Packaging Requirements:

MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire is supplied in 3 pound coils. There are 20 coils packaged in a box for a total weight of 60 pounds per carton. Boxes are then package 48 per pallet.

Additional technical questions in regard to MAR-MAC Industries, Inc. Premium Plastic Coated Coil Wire products can be directed to:

Tracy Gooding
Technical Services Manager
MAR-MAC Industries, Inc.
(843) 335-5000