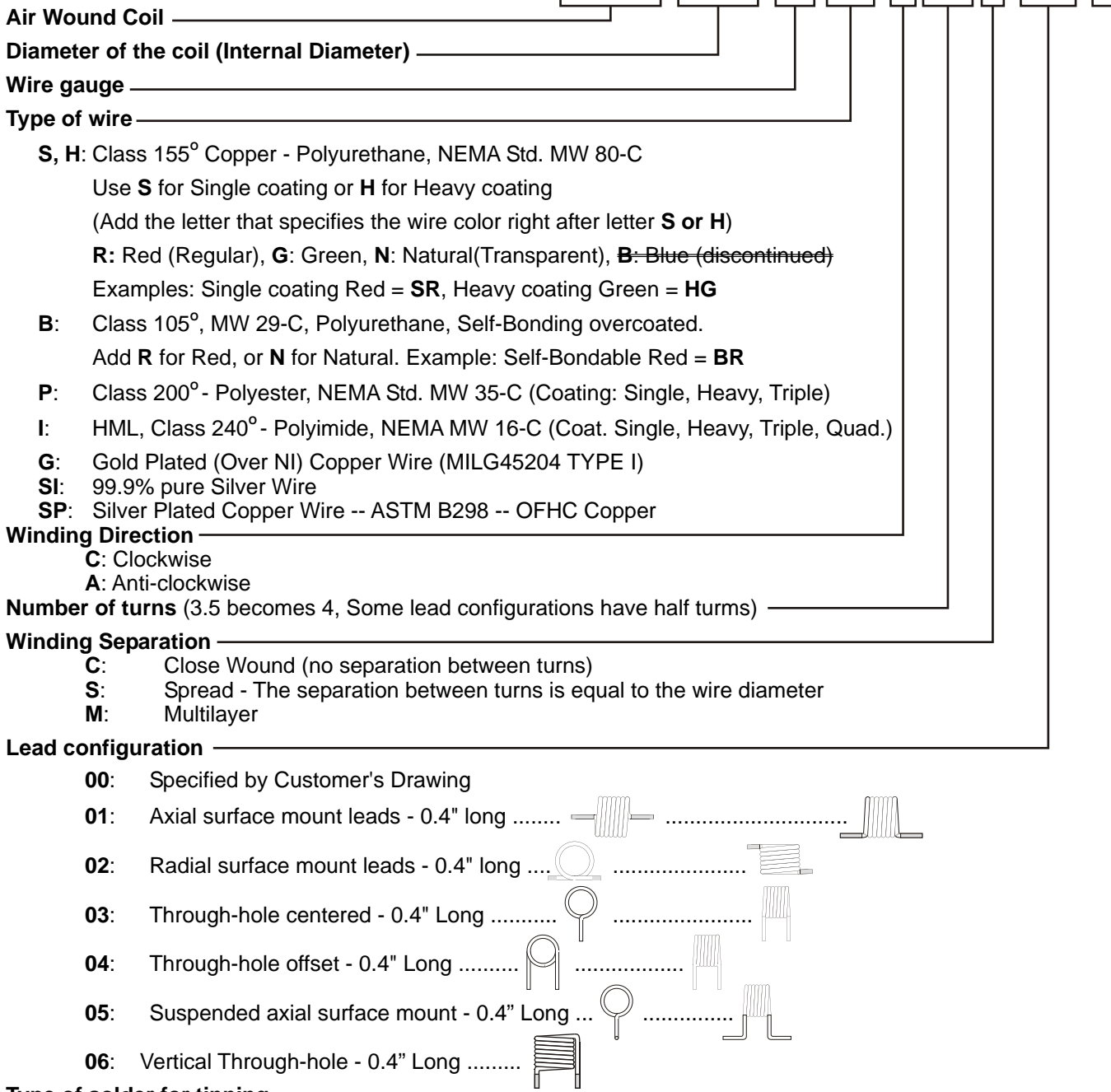


PREFACE: We recommend our customers to provide drawings or description of their own inductors. Any document received will be used solely under the customer's orders and will receive strict confidentiality.

We have devised the following part number system trying to cover the most common features of air wound inductors. Any feature not included should be specified and supported with a drawing and /or description.

AWC-XXX-YYZZ-ABBC-DD-EE



Air Wound Coil

Diameter of the coil (Internal Diameter)

Wire gauge

Type of wire

S, H: Class 155° Copper - Polyurethane, NEMA Std. MW 80-C

Use **S** for Single coating or **H** for Heavy coating

(Add the letter that specifies the wire color right after letter **S** or **H**)

R: Red (Regular), **G:** Green, **N:** Natural(Transparent), **B:** Blue (discontinued)

Examples: Single coating Red = **SR**, Heavy coating Green = **HG**

B: Class 105°, MW 29-C, Polyurethane, Self-Bonding overcoated.

Add **R** for Red, or **N** for Natural. Example: Self-Bondable Red = **BR**

P: Class 200° - Polyester, NEMA Std. MW 35-C (Coating: Single, Heavy, Triple)

I: HML, Class 240° - Polyimide, NEMA MW 16-C (Coat. Single, Heavy, Triple, Quad.)

G: Gold Plated (Over NI) Copper Wire (MILG45204 TYPE I)

SI: 99.9% pure Silver Wire

SP: Silver Plated Copper Wire -- ASTM B298 -- OFHC Copper

Winding Direction

C: Clockwise

A: Anti-clockwise

Number of turns (3.5 becomes 4, Some lead configurations have half turns)

Winding Separation

C: Close Wound (no separation between turns)

S: Spread - The separation between turns is equal to the wire diameter

M: Multilayer

Lead configuration

00: Specified by Customer's Drawing

01: Axial surface mount leads - 0.4" long

02: Radial surface mount leads - 0.4" long

03: Through-hole centered - 0.4" Long

04: Through-hole offset - 0.4" Long

05: Suspended axial surface mount - 0.4" Long

06: Vertical Through-hole - 0.4" Long

Type of solder for tinning

LF: Lead Free Solder (RoHS Compliant) (Composition: Sn96.3Ag3.7)

NS: No Solder (No Tinning)

SP: Specified by customer.

NOTE: -Leads are tinned as close to the coil as possible unless otherwise specified.