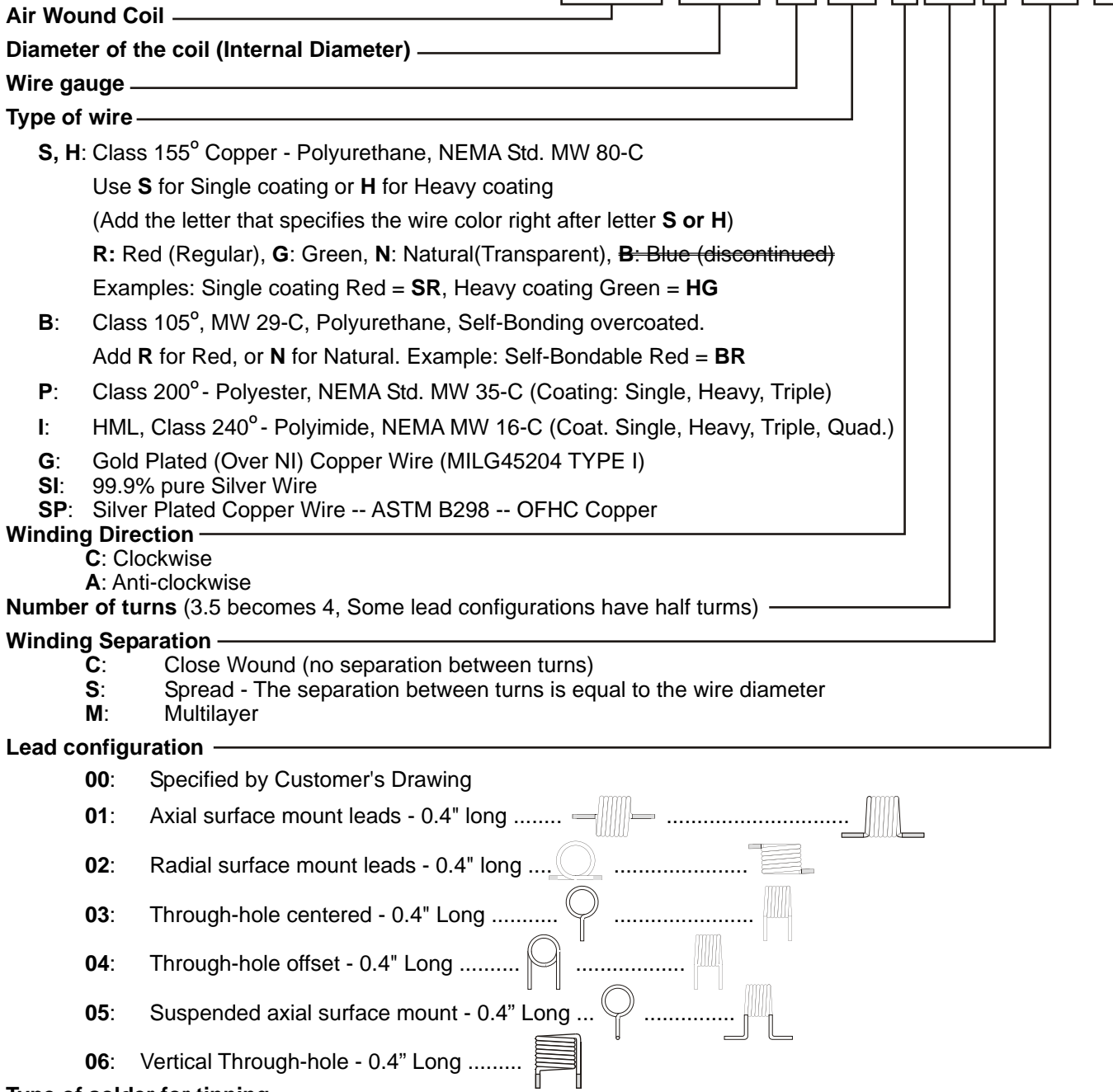


PREFACE: We recommend our customers to provide drawings or description of their own inductors. Any document received will be used solely under the customer's orders and will receive strict confidentiality.

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.