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Hookup Wire

Braided Stranded Copper Wire

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Braidless Silicone Wire

HIGH-VOLTAGE HIGH-TEMPERATURE ELECTRONIC WIRE

*ABRASION RESISTANT SILICONE UL STYLE 3239

Standard Putups:

- 100ft.
- 500ft.
- 1000ft.
- bulk.

See color chart 8 in
Technical Section.
Consult factory for
availability of
other colors.

DESCRIPTION

- Conductors: Fully annealed tinned copper per ASTM B-33. Also available - nickel plated or pure nickel conductor.
- Insulation: Specially formulated abrasion resistant extruded silicone rubber.

CHARACTERISTICS

- Temperature: 150C.
- Voltage Rating: Excellent dielectric strength. See chart below.

FEATURES & APPLICATIONS

- Superior chemical resistance. *Corona radiation and ozone resistant.
- *Recommended for stoves, heaters, furnaces, dryers, motors, therapeutic devices, signs, lighting fixtures, power supplies, radar installations, Xenon flash tubes, and special electronic devices where high temperatures are incurred.

APPROVALS

- Recognized under the components program of Underwriters' Laboratories, Inc. UL Style 3239 (see chart below for UL recognized items), 150C.

| Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
|-------------|-----|-----------|----------------------------|-------------------------------|---------------|------------|----------|
| 392240 | 22 | 7/30 | .030 | .040 | .114 | 10KV | 3239 |
| 392245 | 22 | 7/30 | .030 | .045 | .124 | 15KV | 3239 |
| 392250 | 22 | 7/30 | .030 | .050 | .134 | 20KV | 3239 |
| 392262 | 22 | 7/30 | .030 | .062 | .158 | 25KV | 3239 |
| 392275 | 22 | 7/30 | .030 | .075 | .185 | 30KV | 3239 |
| Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| 392297 | 22 | 7/30 | .030 | .097 | .230 | 40KV | 3239 |
| 392299 | 22 | 7/30 | .030 | .150 | .330 | 50KV | None |
| 392040 | 20 | 10/30 | .038 | .040 | .120 | 10KV | 3239 |
| 392045 | 20 | 10/30 | .038 | .045 | .131 | 15KV | 3239 |
| 392050 | 20 | 10/30 | .038 | .050 | .140 | 20KV | 3239 |
| Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| 392062 | 20 | 10/30 | .038 | .062 | .165 | 25KV | 3239 |
| 392075 | 20 | 10/30 | .038 | .075 | .191 | 30KV | 3239 |
| 392097 | 20 | 10/30 | .038 | .097 | .235 | 40KV | 3239 |
| 392099 | 20 | 10/30 | .038 | .150 | .338 | 50KV | None |
| 391840 | 18 | 16/30 | .047 | .040 | .131 | 10KV | 3239 |
| Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| 391845 | 18 | 16/30 | .047 | .045 | .140 | 15KV | 3239 |
| 391850 | 18 | 16/30 | .047 | .050 | .146 | 20KV | 3239 |
| 391862 | 18 | 16/30 | .047 | .062 | .175 | 25KV | 3239 |
| 391875 | 18 | 16/30 | .047 | .075 | .200 | 30KV | 3239 |
| 391897 | 18 | 16/30 | .047 | .097 | .245 | 40KV | 3239 |

| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
|--|-------------|-----|-----------|----------------------------|-------------------------------|---------------|------------|----------|
| | 391899 | 18 | 16/30 | .047 | .150 | .350 | 50KV | None |
| | 391640 | 16 | 26/30 | .058 | .040 | .141 | 10KV | 3239 |
| | 391645 | 16 | 26/30 | .058 | .045 | .150 | 15KV | 3239 |
| | 391650 | 16 | 26/30 | .058 | .050 | .161 | 20KV | 3239 |
| | 391662 | 16 | 26/30 | .058 | .062 | .185 | 25KV | 3239 |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 391675 | 16 | 26/30 | .058 | .075 | .212 | 30KV | 3239 |
| | 391697 | 16 | 26/30 | .058 | .097 | .255 | 40KV | 3239 |
| | 391699 | 16 | 26/30 | .058 | .150 | .376 | 50KV | None |
| | 391440 | 14 | 41/30 | .074 | .040 | .155 | 10KV | 3239 |
| | 391445 | 14 | 41/30 | .074 | .045 | .165 | 15KV | 3239 |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 391450 | 14 | 41/30 | .074 | .050 | .175 | 20KV | 3239 |
| | 391462 | 14 | 41/30 | .074 | .062 | .204 | 25KV | 3239 |
| | 391475 | 14 | 41/30 | .074 | .075 | .225 | 30KV | 3239 |
| | 391497 | 14 | 41/30 | .074 | .097 | .272 | 40KV | 3239 |
| | 391499 | 14 | 41/30 | .074 | .150 | .380 | 50KV | None |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 391240 | 12 | 65/30 | .092 | .040 | .170 | 10KV | 3239 |
| | 391245 | 12 | 65/30 | .092 | .045 | .184 | 15KV | 3239 |
| | 391250 | 12 | 65/30 | .092 | .050 | .196 | 20KV | 3239 |
| | 391262 | 12 | 65/30 | .092 | .062 | .218 | 25KV | 3239 |
| | 391275 | 12 | 65/30 | .092 | .075 | .246 | 30KV | 3239 |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 391297 | 12 | 65/30 | .092 | .097 | .289 | 40KV | 3239 |
| | 391299 | 12 | 65/30 | .092 | .150 | .396 | 50KV | None |
| | 391040 | 10 | 105/30 | .112 | .040 | .200 | 10KV | 3239 |
| | 391045 | 10 | 105/30 | .112 | .045 | .206 | 15KV | 3239 |
| | 391050 | 10 | 105/30 | .112 | .050 | .220 | 20KV | 3239 |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 391062 | 10 | 105/30 | .112 | .062 | .244 | 25KV | 3239 |
| | 391075 | 10 | 105/30 | .112 | .075 | .270 | 30KV | 3239 |
| | 391097 | 10 | 105/30 | .112 | .097 | .312 | 40KV | 3239 |
| | 391099 | 10 | 105/30 | .112 | .150 | .420 | 50KV | None |
| | 390845 | 8 | 133/29 | .166 | .045 | .256 | 15KV | None |
| | Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
| | 390862 | 8 | 133/29 | .166 | .062 | .290 | 25KV | None |
| | 390897 | 8 | 133/29 | .166 | .097 | .360 | 40KV | None |
| | 390645 | 6 | 133/27 | .210 | .045 | .300 | 15KV | None |
| | 390662 | 6 | 133/27 | .210 | .062 | .340 | 25KV | None |
| | 390462 | 4 | 133/25 | .268 | .062 | .392 | 25KV | None |

| Part Number | AWG | Stranding | Nom. Dia. of Conductor in. | Nom. Insulation Thickness in. | Nom. O.D. in. | DC Voltage | UL Style |
|-------------|-----|-----------|----------------------------|-------------------------------|---------------|------------|----------|
| 390262 | 2 | 259/26 | .336 | .062 | .460 | 25KV | None |

50KV ratings are theoretical. 200C constructions available upon request. Standard color: White.

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