

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3306
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Issue: 4
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A. Construction

Diameters

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> 1) Component 1 <li style="padding-left: 20px;">a) Conductor <li style="padding-left: 20px;">b) Insulation <li style="padding-left: 40px;">(1) Color Code | <ul style="list-style-type: none"> 6 X 1 COND 28 (7/36) AWG TC 0.010" Wall, Nom. PVC Alpha Wire Color Code F | <ul style="list-style-type: none"> 0.035 |
|---|--|---|
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|--------|
| 1 | BLACK | 3 | RED | 5 | ORANGE |
| 2 | WHITE | 4 | GREEN | 6 | BLUE |
-
- | | | |
|--|---|--|
| <ul style="list-style-type: none"> 2) Cable Assembly <li style="padding-left: 20px;">a) Twists: <li style="padding-left: 20px;">b) Core Wrap 3) Shield 4) Jacket <li style="padding-left: 20px;">a) Color(s) <li style="padding-left: 20px;">b) Print | <ul style="list-style-type: none"> 6 Components Cabled 8.0 Twists/foot (min) Clear Mylar Tape, 25% Overlap, Min. TC BRAID Shield, 90% Coverage, Min. 0.015" Wall, Nom., PVC GRAY ALPHA WIRE-* P/N 3306 ROHS * = Factory Code | <ul style="list-style-type: none"> 0.161 (0.171 Max.) |
|--|---|--|

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/Type B 105°C / 600V
- 2) EU Directive 2002/95/EC(RoHS):

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -55 to 105°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 12.2 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
 - 2) Capacitance 35 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 63 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.22 µH/ft, Nominal
 - 5) Conductor DCR 66 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 5.1 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 100 FT

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