

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6314
Page 1 of 1 Pages

Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 3 X 1 PAIR | |
| a) Conductor | 20 (10/30) AWG TC | |
| b) Insulation | 0.008" Wall, Nom. Polypropylene(PP) | 0.053 |
| (1) Color Code | Alpha Wire Color Code A | |
-
- | Pair | Color | Pair | Color |
|------|-----------|------|-------------|
| 1 | BLACK-RED | 2 | BLACK-WHITE |
| | | 3 | BLACK-GREEN |
-
- | | | |
|-----------------------|--|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 8.0 Twists/foot (min) | |
| Individually Applied: | | |
| d) Shield: | Foil Free Alum/Mylar Tape, 25% Overlap, Min. | |
| (1) Foil Direction | Foil Facing In | |
| (2) Drain Wire | 22 (7/30) AWG TC | |
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 4.0 Twists/foot (min) | |
| 3) Jacket | 0.040" Wall, Nom., Polyethylene (PE) | 0.291 (0.305 Max.) |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE-* P/N 6314 | |
| | ROHS | |
| | * = Factory Code | |

B. Industry Approvals

- 1) 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.
- 2) 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 -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 64 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

- 1) Voltage Rating 350 V_{RMS}
- 2) Mutual Capacitance 32 pf/ft @1 kHz, Nominal
- 3) Ground Capacitance 58 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 48 Ω
- 5) Inductance 0.16 μH/ft, Nominal
- 6) Conductor DCR 11.6 Ω/1000ft @20°C, Nominal
- 7) Component Shield DCR 13.8 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT

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