

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6012C
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Issue: 7
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A. Construction

Diameters (In)

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 6 X 1 PAIR | |
| a) Conductor | 22 (7/30) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. Polypropylene(PP) | 0.050 |
| (1) Color Code | Alpha Wire Company Color Code A | |
-
- | Pair | Color | Pair | Color |
|------|-------------|------|--------------|
| 1 | BLACK-RED | 3 | BLACK-GREEN |
| 2 | BLACK-WHITE | 4 | BLACK-BLUE |
| | | 5 | BLACK-BROWN |
| | | 6 | BLACK-YELLOW |
-
- | | | |
|-----------------------|--|--------------------|
| 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 | 6 Components Cabled | |
| a) Twists: | 3.0 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.048" Wall, Nom.,PVC | 0.378 (0.396 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 6012C 6PR 22 AWG
SHIELDED 75C (UL) TYPE CMG OR AWM 2493 ---
C(UL) CMG FT4 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|------|
| 1) UL | AWM/STYLE 2493 | 60°C |
| | CMG | 75°C |
| | VW-1 | |
| 2) CSA International | C(UL) TYPE CMG | 75°C |
| | FT4 | |
| 3) 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. | |
| 4) 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 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 99 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|------------------------------|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Characteristic Impedance | 60 Ω |
| 3) Inductance | 0.18 μH/ft, Nominal |
| 4) Mutual Capacitance | 28 pf/ft @1 kHz, Nominal |
| 5) Ground Capacitance | 50 pf/ft @1 kHz, Nominal |
| 6) Conductor DCR | 16.6 Ω/1000ft @20°C, Nominal |
| 7) Ind. Shield DC Resistance | 14.4 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|--------------|------------|
| 1) Packaging | a) 1000 FT |
| | b) 500 FT |
| | c) 100 FT |

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