

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1299/10C

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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

| | | |
|----------------|-------------------------|------------------|
| 1) Component 1 | 10 X 1 COND | <u>Diameters</u> |
| a) Conductor | 22 (7/30) AWG TC | 0.050 |
| b) Insulation | 0.010" Wall, Nom. PVC | |
| (1) Color Code | Alpha Wire Color Code D | |

| | | | | | |
|------|-------|------|--------|------|--------|
| Cond | Color | Cond | Color | Cond | Color |
| 1 | BLACK | 5 | ORANGE | 9 | VIOLET |
| 2 | RED | 6 | BLUE | 10 | GRAY |
| 3 | WHITE | 7 | BROWN | | |
| 4 | GREEN | 8 | YELLOW | | |

| | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 10 Components Cabled | |
| a) Twists: | 4.0 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 22 (7/30) AWG TC | |
| 4) Jacket | 0.032" Wall, Nom.,PVC | 0.268 (0.283 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 1299/10C 10/C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX CSA TYPE CMG FT4 ROHS | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

| | | |
|-----------------------------------|--|-------------|
| 1) UL | AWM/STYLE2576 | 80°C / 150V |
| | CM | 75°C |
| | VW-1 | |
| 2) CSA International | CMG | 60°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 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 60 Lbs, Maximum |

D. Electrical Properties

| | |
|-----------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 50 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 90 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.18 µH/ft, Nominal |
| 5) Conductor DCR | 16.4 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 11.8 Ω/1000ft @20°C, Nominal |

E. Other

| | |
|--------------|--|
| 1) Packaging | |
| a) 1000 FT | |

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- b) 500 FT
- c) 100 FT

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