

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

Diameters

- 1) Component 1 10 X 1 COND
a) Conductor 22 (7/30) AWG TC
b) Insulation 0.010" Wall, Nom. PVC 0.050
(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
* = Factory Code

[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

- (For Engineering purposes only)
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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