

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1298C
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Issue: 4
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A. Construction

Diameters (In)

- 1) Component 1 8 X 1 COND
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC 0.050
- (1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	GREEN	7	BROWN
2	RED	5	ORANGE	8	YELLOW
3	WHITE	6	BLUE		

- 2) Cable Assembly 8 Components Cabled
- a) Twists: 4.8 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 0.234 (0.247 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 1298C 8C 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/STYLE 2576 80°C / 150 VRMS
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 49 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
- 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
 - b) 500 FT
 - c) 100 FT

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