

# ALPHA WIRE COMPANY

## CUSTOMER PRODUCT SPECIFICATION

**Part Number: 6379**  
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**Issue: 3**  
**Issue Date: 5/23/2005**  
**Effective Date: 8/1/2005**

- A. Construction** **Diameters (In)**
- 1) Component 1 8 X 1 PAIR
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.050
- (1) Color(s)

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

- c) Pair 2/Cond Cabled Together
- (1) Twists: 8.0 Twists/foot (min)
- 2) Cable Assembly 8 Components Cabled
- a) Twists: 3.0 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- a) Foil Direction Foil Facing Out
- b) Drain Wire 24 (7/32) AWG TC
- c) Braid TC,65% Coverage, Min.
- 4) Jacket 0.032" Wall, Nom.,PVC 0.363 (0.382 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-\* P/N 6379 8PR 22 AWG  
SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- 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 2464 80°C / 300 V<sub>RMS</sub>  
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 97 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 300 V<sub>RMS</sub>
- 2) Characteristic Impedance 70 Ω
- 3) Mutual Capacitance 35 pf/ft @1 kHz, Nominal
- 4) Ground Capacitance 63 pf/ft @1 kHz, Nominal
- 5) Conductor DCR 16.6 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 3.1 Ω/1000ft @20°C, Nominal

**E. Other**

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

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