

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 1215C**  
**Page 1 of 2 Pages**

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

**A. Construction**

**Diameters**

- |    |                |                         |       |
|----|----------------|-------------------------|-------|
| 1) | Component 1    | 5 X 1 COND              |       |
|    | a) Conductor   | 24 (7/32) AWG TC        |       |
|    | b) Insulation  | 0.010" Wall, Nom. PVC   | 0.044 |
|    | (1) Color Code | Alpha Wire Color Code D |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE	5	ORANGE
2	RED	4	GREEN		

- |    |                   |  |                    |
|----|-------------------|--|--------------------|
| 2) | Cable Assembly    | 5 Components Cabled  |                    |
|    | a) Twists:        | 6.9 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   |                    |
| 4) | Jacket            | 0.032" Wall, Nom.,PVC  | 0.187 (0.198 Max.) |
|    | a) Color(s)       | GRAY   |                    |
|    | b) Print          | ALPHA WIRE-* P/N 1215C 5/C 24 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX<br>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<br>CM<br>VW-1 | 80°C / 150V<br>75°C |
| 2) | CSA International              | CMG<br>FT4                  | 60°C                |
| 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      | 21.1 Lbs, Maximum  |

**D. Electrical Properties**

(For Engineering purposes only)

- |    |                    |   |
|----|--------------------|---|
| 1) | Voltage Rating     | 300 V <sub>RMS</sub>                            |
| 2) | Capacitance        | 45 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 81 pf/ft @1 kHz, Nominal                        |
| 4) | Inductance         | 0.19 µH/ft, Nominal                             |
| 5) | Conductor DCR      | 26 Ω/1000ft @20°C, Nominal                      |
| 6) | OA Shield DCR      | 19.6 Ω/1000ft @20°C, Nominal                    |

**E. Other**

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

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c) 100 FT

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