

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5480C
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Issue: 5
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 10 X 1 PAIR | |
| a) Conductor | 24 (7/32) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.044 |
| (1) Color Code | Alpha Wire Color Code K | |

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

- | | | |
|-------------------|---|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 9.6 Twists/foot (min) | |
| 2) Cable Assembly | 10 Components Cabled | |
| a) Twists: | 2.8 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing In | |
| b) Drain Wire | 24 (7/32) AWG TC | |
| 4) Jacket | 0.040" Wall, Nom.,PVC | 0.373 (0.394 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 5480C 10PR 24 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/STYLE2464 | 80°C / 300V |
| | CM | 75°C |
| 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 | 74 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------------|------------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 23.1 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 42 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 82 Ω |
| 5) Inductance | 0.19 μH/ft, Nominal |
| 6) Conductor DCR | 26 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 13.4 Ω/1000ft @20°C, Nominal |

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E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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