

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6305
Page 1 of 2 Pages

Issue: 3
Issue Date: 5/23/2005
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, Semi Rigid | 0.044 |
| (1) Color(s) | | |

| Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|-------|
| 1 | BLACK | 3 | RED | 5 | BROWN |
| 2 | WHITE | 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 6305 5/C 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 |
| | 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 | 21.1 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|---|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 32 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 58 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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