

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1748C
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Issue: 6
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A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 16 (19/.0117) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.091 |
| (1) Color Code | Alpha Wire Company Color Code D | |

Cond	Color	Cond	Color
1	BLACK	2	RED

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 4.8 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | BC BRAID Shield, 75% Coverage, Min. | |
| 4) Jacket | 0.020" Wall, Nom., PVC | 0.247 (0.257 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 1748C 2C 16 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2095 --- 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 2095 | 80°C / 300 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 | 45 Lbs, Maximum |

D. Electrical Properties

- | | |
|-----------------------------|---|
| 1) Voltage Rating | 300 VRMS |
| 2) Capacitance | 64 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 115 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 35 Ω |
| 5) Inductance | 0.17 μH/ft, Nominal |
| 6) Conductor DCR | 4.3 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 4.8 Ω/1000ft @20°C, Nominal |

E. Other

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

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