

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1747C
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Issue: 6
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A. Construction

Diameters

- | | | |
|----------------|-------------------------|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 18 (16/30) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.079 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED	3	WHITE

- | | | |
|-------------------|------------------------------------------------------------------------------------------------------------------|--------------------|
| 2) Cable Assembly | 3 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 | 0.235 (0.246 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 1747C 3/C 18 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/STYLE2095 | 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 | 42 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|-------------------------------------------------|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 51 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 92 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.18 µH/ft, Nominal |
| 5) Conductor DCR | 7.1 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 4.9 Ω/1000ft @20°C, Nominal |

E. Other

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

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