

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 7662
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Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 20 (7/28) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC, Irradiated | 0.058 |
| (1) Color Code | Alpha Wire Color Code G | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLACK		

- | | | |
|-------------------|-------------------------------------|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 8.0 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | TC BRAID Shield, 90% Coverage, Min. | |
| 4) Jacket | 0.025" Wall, Nom., PVC | 0.191 (0.201 Max.) |
| a) Color(s) | WHITE | |
| b) Print | ALPHA WIRE-* P/N 7662 | |
| | ROHS | |
| | * = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|--------------|
| 1) Military | MIL-W-16878/Type B | 105°C / 600V |
| 2) 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. | |
| 3) 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 | -55 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 21.4 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------------|---|
| 1) Voltage Rating | 600 V _{RMS} |
| 2) Capacitance | 54 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 97 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 39 Ω |
| 5) Inductance | 0.17 μH/ft, Nominal |
| 6) Conductor DCR | 10.2 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 5.5 Ω/1000ft @20°C, Nominal |

E. Other

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

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