

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 1953/3T
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Issue: 7
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|-----------------------|-------|
| 1) | Component 1 | 3 X 1 COND | |
| | a) Conductor | 16 (65/34) AWG BC | 0.059 |
| | b) Insulation | 0.032" Wall, Nom. PVC | 0.123 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	WHITE	3	GREEN/YELLOW

- | | | | |
|----|---------------------|---|----------------|
| 2) | Cable Assembly | 3 Components Cabled | |
| | a) Twists: | 4.8 Twists/foot (min) | |
| 3) | Jacket | 0.032" Wall, Nom.,PVC | 0.335+/- 0.010 |
| | a) Color(s) | Slate, Black | |
| | b) Jacket Separator | Tissue Tape, 25% Overlap, Min. | |
| | c) Print | ALPHA WIRE-* P/N 1953/3T 3C 16 AWG (1.31mm ²) | |

(UL) C(UL) TYPE SJT 105C 300V FT2
CE ROHS

* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- | | | | |
|----|-------------------|-------------------------------------|------------------------------|
| 1) | UL | SJT | 105°C / 300 V _{RMS} |
| 2) | CSA International | C(UL) SJT | 105°C / 300 V _{RMS} |
| 3) | CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- 1) CE: EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for [RoHS C of C](#).
- 2) REACH Regulation (EC 1907/2006):
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see [Alpha's REACH SVHC Declaration](#).

D. Physical & Mechanical Properties

- | | | |
|----|-------------------|--------------------|
| 1) | Temperature Range | -30 to 105°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 61 Lbs, Maximum |

E. Electrical Properties

- (For Engineering purposes only)
- | | | |
|----|----------------|---|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Capacitance | 29 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Inductance | 0.2 µH/ft, Nominal |
| 4) | Conductor DCR | 4.2 Ω/1000ft @20°C, Nominal |

F. Other

- | | | |
|----|-----------|-------------------------------------|
| 1) | Packaging | Flange x Traverse x Barrel (inches) |
| | a) 250 FT | 12 x 6 x 3.5 Continuous length |
- [Spool dimensions may vary slightly]*

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