

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

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- A. Construction** **Diameters (In)**
- 1) Component 1 2 X 1 COND
 - a) Conductor 18 (41/34) AWG BC 0.047
 - b) Insulation 0.017" Wall, Nom. EPDM Rubber 0.081
 - (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	WHITE		

- 2) Cable Assembly 2 Components Cabled
 - a) Twists: 8.7 Twists/foot (min)
 - 3) Jacket 0.034" Wall, Nom., Chlorinated Polyethylene (CPE) 0.236+/- 0.010
 - a) Color(s) BLACK
 - b) Jacket Separator Tissue Tape, 25% Overlap, Min.
 - c) Print ALPHA WIRE-* P/N 1931 2C 18 AWG (0.825mm²)
- (UL) C(UL) TYPE SVO 90C 300V FT2
ROHS
* = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

- B. Applicable Specifications**
- 1) UL SVO 90°C / 300 V_{RMS}
 - 2) CSA International C(UL) SVO 90°C / 300 V_{RMS}
 - C(UL) FT2

- C. Environmental Compliance**
- 1) 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.
 - 2) REACH Regulation (EC 1907/2006):
This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

- D. Physical & Mechanical Properties**
- 1) Temperature Range -40 to 90°C
 - 2) Bend Radius 10X Cable Diameter
 - 3) Pull Tension 26 Lbs, Maximum

- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Capacitance 27 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Inductance 0.18 µH/ft, Nominal
 - 4) Conductor DCR 6.6 O/1000ft @20°C, Nominal

- F. Other**
- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 250 FT 12 x 4.5 x 3.5 Continuous length
[Spool dimensions may vary slightly]

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