

Customer Specification

PART NO. 1931

Construction

						Diameter ("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	0.084
(1) Separator						Paper Tape, 10% Overlap (min.)	
(2) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	WHITE				
2) Cable Assembly						2 Components Cabled	
a) Twists						9.6 Twists/foot (min.)	
3) Jacket						0.034" Wall, Nom., Chlorinated Polyethylene (CPE)	0.242+/- 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 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

Applicable Specifications

1) UL	SVO	90°C / 300 V _{RMS}
2) CSA International	C(UL) SVO	90°C / 300 V _{RMS}
	C(UL) FT2	
3) CE	EU Low Voltage Directive 2014/35/EC	

Environmental

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 and the amending Directive 2015/863/EU of 4 June 2015 . No exemptions are required for RoHS Compliance on this item. Refer to the RoHS Certificate of Compliance for more detail.
2) REACH Regulation (EC 1907/2006)	

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	26 lbs. max.
Electrical Properties <i>Engineering purposes only</i>	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	26 pf/ft. @1 kHz, Nominal Conductor-to-Conductor
4) Inductance	0.18 µH/ft., Nominal
5) Conductor DCR	6.6 ω/1000ft. @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 250 FT	12 x 4.5 x 3.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 1931

1931, RoHS-Compliant Commencing With 10/1/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance

Lead
Mercury
Cadmium
Hexavalent Chromium
Polybrominated Biphenyls (PBB)
Polybrominated Diphenyl Ethers (PBDE) ,
Including Deca-BDE
Bis(2-ethylhexyl) phthalate (DEHP)
Butyl benzyl phthalate (BBP)
Dibutyl phthalate (DBP)
Diisobutyl phthalate (DIBP)

Maximum Control Value

0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
0.01% by weight (100 ppm)
0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 12/16/2025

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