

Customer Specification

PART NO. 1941/3

Construction

				Diameters (In)	
1) Component 1		3 X 1 COND			
a) Conductor		18 (41/34) AWG BC		0.047	
b) Insulation		0.030" Wall, Min Avg. PVC		0.113	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLUE	2	BROWN	3	GREEN OR GREEN/YELLOW
2) Cable Assembly		3 Components Cabled			
a) Twists:		5.3 Twists/foot (min)			
3) Jacket		0.030" Wall, Min Avg.,PVC		0.318+/- 0.020	
a) Color(s)		BLACK			
b) Jacket Separator		Tissue Tape, 25% Overlap, Min.			
c) Print		PER UL & CSA REQUIREMENTS			

Industry Approvals

1) UL	SJT	105°C / 300 V _{RMS}
2) CSA International	FT2	
	SJT	105°C / 300 V _{RMS}

Environmental

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 16 substances listed on the European Union's REACH Substance of Very High Concern (SVHC) candidate list in excess of 0.1% mass of the item.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	38 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	26 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.22 μH/ft, Nominal
4) Conductor DCR	6.6 /1000ft @20°C, Nominal

Other

1) Packaging	
a) 250 FT	
b) 100 FT	

www.alphawire.com

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 1941/3

1941/3 , RoHS-Compliant Commencing With 2/1/2006 Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE) Including Deca-BDE	0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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