



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. 6014L

Construction

		Diameters (In)							
1) Component 1	9 X 1 PAIR								
a) Conductor	22 (7/30) AWG TC	0.030							
b) Insulation	0.010" Wall, Nom. Low Smoke Zero Halogen (LSZH)	0.050							
(1) Color Code	Alpha Wire Color Code A								
Pair	Color	Pair	Color	Pair	Color				
1	BLACK-RED	4	BLACK-BLUE	7	BLACK-ORANGE				
2	BLACK-WHITE	5	BLACK-BROWN	8	RED-GREEN				
3	BLACK-GREEN	6	BLACK-YELLOW	9	RED-WHITE				
c) Pair	2/Cond Cabled Together								
(1) Twists:	8.0 Twists/foot (min)								
Individually Applied:									
d) Shield:	Foil Free Alum/Mylar Tape, 25% Overlap, Min.								
(1) Foil Direction	Foil Facing In								
(2) Drain Wire	22 (7/30) AWG TC								
2) Cable Assembly	9 Components Cabled								
a) Twists:	2.4 Twists/foot (min)								
b) Core Wrap	Clear Mylar Tape, 25% Overlap, Min.								
3) Jacket	0.025" Wall, Nom.,Low Smoke Zero Halogen (LSZH)	0.390 (0.410 Max.)							
a) Color(s)	SLATE								
b) Print	ALPHA WIRE-* P/N 6014L 9PR 22 AWG EXXXXXX SHIELDED 75C (UL) TYPE CMG OR 75C C(UL) TYPE CMG LSZH CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]								

Applicable Specifications

1) UL	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
3) CE:	LVD 73/23/EEC Amendment 93/68/EEC	

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 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	148 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Inductance	0.18 µH/ft, Nominal
3) Conductor DCR	16.6 /1000ft @ 20°C, Nominal
4) Component Shield DCR	14.4 /1000ft @ 20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	20 x 11 x 8 Continuous length
b) 500 FT	16 x 11 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Flammability - Passes IEC 60332-1	
b) Acid Gas Generation - Passes IEC 60754-1 and 60754-2	
c) Smoke Emission - Passes IEC 61034-2	

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:6014L

6014L , RoHS-Compliant Commencing With 3/1/2009 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)	0.1% by weight (1000 ppm)
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

11/1/2012

Mouser Electronics

Authorized Distributor

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