



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

Customer Specification

PART NO. 6230C

Construction

		Diameters (In)	
1) Component 1	10 X 1 PAIR		
a) Conductor	24 (7/32) AWG TC	0.024	
b) Insulation	0.016" Wall, Nom. Polyethylene, Foam	0.056	
(1) Color Code	Alpha Wire Color Code M		
Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	5	SLATE/WHITE - WHITE/SLATE
2	ORANGE/WHITE - WHITE/ORANGE	6	BLUE/RED - RED/BLUE
3	GREEN/WHITE - WHITE/GREEN	7	ORANGE/RED - RED/ORANGE
4	BROWN/WHITE - WHITE/BROWN	8	GREEN/RED - RED/GREEN
9	BROWN/RED - RED/BROWN	10	SLATE/RED - RED/SLATE
c) Pair	2/Cond Cabled Together		
(1) Twists:	8.0 Twists/foot (min)		
2) Cable Assembly	10 Components Cabled		
a) Twists:	2.2 Twists/foot (min)		
3) Shield:	Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction	Foil Facing Out		
b) Drain Wire	24 (7/32) AWG TC		
c) Braid	TC,65% Coverage, Min.		
4) Jacket	0.035" Wall, Nom.,PVC	0.463 (0.485 Max.)	
a) Color(s)	SLATE		
b) Print	ALPHA WIRE-* P/N 6230C 10PR 24 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE COMPUTER CABLE --- LLXXXXXX CSA TYPE CMG 60C FT4 CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]		

Applicable Specifications

1) UL	AWM/STYLE 2919	80°C / 30 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	CMG	60°C
	FT4	
3) CE:	EU Low Voltage Directive 2006/95/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. 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.
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	80 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Characteristic Impedance	105 Ω +/- 10
3) Mutual Capacitance	12.5 pf/ft @1 kHz, Nominal
4) Ground Capacitance	22 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	78 %
6) Attenuation, Max dB/100ft	0.25 @ 100 kHz
	0.8 @ 1 MHz
	5.8 @ 50 MHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 12 x 8 Continuous length
	[Spool dimensions may vary slightly]

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 6230C

6230C , RoHS-Compliant Commencing With 3/1/2005 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, 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 this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** It should be noted that this product does not fall within the scope of Directive 2011/65/EU, but this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. 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 11364-2006.

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)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire Company:

A handwritten signature in black ink, appearing to read 'Dave Watson'.

Dave Watson, Director of Engineering & QA

4/26/2013