



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

Customer Specification

PART NO. 6399

Construction

			Diameters (In)				
1) Component 1		25 X 1 PAIR					
a) Conductor		28 (7/36) AWG TC			0.015		
b) Insulation		0.010" Wall, Nom. Polyethylene(PE)			0.035		
(1) Color Code		Alpha Wire Color Code K					
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	10	RED-BLUE	19	WHITE-BLUE		
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-YELLOW		
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-BROWN		
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-ORANGE		
5	BLACK-YELLOW	14	GREEN-WHITE	23	BLUE-YELLOW		
6	BLACK-BROWN	15	GREEN-BLUE	24	BLUE-BROWN		
7	BLACK-ORANGE	16	GREEN-YELLOW	25	BLUE-ORANGE		
8	RED-WHITE	17	GREEN-BROWN				
9	RED-GREEN	18	GREEN-ORANGE				
c) Pair		2/Cond Cabled Together					
(1) Twists:		12.0 Twists/foot (min)					
2) Cable Assembly		25 Components Cabled					
a) Twists:		2.4 Twists/foot (min)					
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.					
a) Foil Direction		Foil Facing Out					
b) Drain Wire		28 (7/36) AWG TC					
c) Braid		TC,90% Coverage, Min.					
4) Jacket		0.035" Wall, Nom.,PVC		0.440 (0.468 Max.)			
a) Color(s)		SLATE					
b) Print		ALPHA WIRE-* P/N 6399 25PR 28 AWG SHIELDED 75C (UL) TYPE CL2 OR AWM 2960 LL701765 CSA TYPE CMH 60C FT1 ROHS * = Factory Code					
<i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>							

Applicable Specifications

1) UL	AWM/STYLE 2960	60°C / 30 V _{RMS}
	CL2	75°C
	VW-1	
2) CSA International	CMH	60°C
	FT1	

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 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.

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 75°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	100
3) Mutual Capacitance	15.5 pf/ft @1 kHz, Nominal
4) Ground Capacitance	27.5 pf/ft @1 kHz, Nominal
5) Conductor DCR	67 /1000ft @20°C, Nominal
6) OA Shield DCR	2.2 /1000ft @20°C, Nominal

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
c) 100 FT	12 x 10 x 5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) CSA File Number	may also be LL49185

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:6399

6399 , RoHS-Compliant Commencing With 3/1/2005 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)

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

11/1/2012

Mouser Electronics

Authorized Distributor

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[6399 SL001](#)