



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

Customer Specification

PART NO. 6350

Construction

				Diameters (In)			
1) Component 1	50 X 1 COND						
a) Conductor	22 (7/30) AWG TC			0.030			
b) Insulation	0.010" Wall, Nom. PVC, Semi Rigid			0.050			
(1) Color Code	Alpha Wire Color Code F						
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	18	ORANGE/RED	35	WHITE/RED/ORANGE		
2	WHITE	19	BLUE/RED	36	ORANGE/WHITE/BLUE		
3	RED	20	RED/GREEN	37	WHITE/RED/BLUE		
4	GREEN	21	ORANGE/GREEN	38	BLACK/WHITE/GREEN		
5	ORANGE	22	BLACK/WHITE/RED	39	WHITE/BLACK/GREEN		
6	BLUE	23	WHITE/BLACK/RED	40	RED/WHITE/GREEN		
7	WHITE/BLACK	24	RED/BLACK/WHITE	41	GREEN/WHITE/BLUE		
8	RED/BLACK	25	GREEN/BLACK/WHITE	42	ORANGE/RED/GREEN		
9	GREEN/BLACK	26	ORANGE/BLACK/WHITE	43	BLUE/RED/GREEN		
10	ORANGE/BLACK	27	BLUE/BLACK/WHITE	44	BLACK/WHITE/BLUE		
11	BLUE/BLACK	28	BLACK/RED/GREEN	45	WHITE/BLACK/BLUE		
12	BLACK/WHITE	29	WHITE/RED/GREEN	46	RED/WHITE/BLUE		
13	RED/WHITE	30	RED/BLACK/GREEN	47	GREEN/ORANGE/RED		
14	GREEN/WHITE	31	GREEN/BLACK/WHITE	48	ORANGE/RED/BLUE		
15	BLUE/WHITE	32	ORANGE/BLACK/GREEN	49	BLUE/RED/ORANGE		
16	BLACK/RED	33	BLUE/WHITE/ORANGE	50	BLACK/ORANGE/RED		
17	WHITE/RED	34	BLACK/WHITE/ORANGE				
2) Cable Assembly	50 Components Cabled						
a) Twists:	2.0 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	0.053" Wall, Nom.,PVC			0.540 (0.568 Max.)			
a) Color(s)	SLATE						
b) Print	ALPHA WIRE-* P/N 6350 50C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 60C TYPE CMG FT4 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 2464	80°C / 300 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	60°C
	FT4	

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) 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	286 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	36 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	65 pf/ft @ 1 kHz, Nominal
4) Inductance	0.18 µH/ft, Nominal
5) Conductor DCR	16.5 /1000ft @ 20°C, Nominal
6) OA Shield DCR	2.19 /1000ft @ 20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	30 x 14 x 12 Continuous length
b) 500 FT	20 x 11 x 8 Continuous length
c) 100 FT	16 x 11 x 8 Continuous length
<i>[Spool dimensions may vary slightly]</i>	

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

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.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.



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

RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:6350

6350 , RoHS-Compliant Commencing With 8/1/2005 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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Alpha Wire:](#)

[6350 SL001](#)