



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

# Customer Specification

## PART NO. 3470/37C

Construction

			Diameters (In)		
1) Component 1		37 X 1 COND			
a) Conductor		28 (7/36) AWG TC			0.015
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid			0.035
(1) Color Code		Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	14	RED/YELLOW	27	WHITE/BLACK/YELLOW
2	RED	15	RED/BLACK	28	WHITE/BLACK/BLUE
3	WHITE	16	WHITE/BLACK	29	WHITE/BLACK/BROWN
4	GREEN	17	WHITE/RED	30	WHITE/BLACK/ORANGE
5	ORANGE	18	WHITE/GREEN	31	WHITE/BLACK/SLATE
6	BLUE	19	WHITE/YELLOW	32	WHITE/BLACK/VIOLET
7	BROWN	20	WHITE/BLUE	33	WHITE/BLACK/BLACK
8	YELLOW	21	WHITE/BROWN	34	WHITE/RED/BLACK
9	VIOLET	22	WHITE/ORANGE	35	WHITE/RED/RED
10	SLATE	23	WHITE/SLATE	36	WHITE/RED/GREEN
11	PINK	24	WHITE/VIOLET	37	WHITE/RED/BLUE
12	TAN	25	WHITE/BLACK/RED		
13	RED/GREEN	26	WHITE/BLACK/GREEN		
2) Cable Assembly		37 Components Cabled			
a) Twists:		3.4 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,65% Coverage, Min.			
4) Jacket		0.035" Wall, Nom.,PVC		0.347 (0.368 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 3470/37C 37C 28 AWG SHIELDED 75C (UL) TYPE CL2 OR AWM 2464 --- LLXXXXXX CSA TYPE CMG FT4 ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]			

## Applicable Specifications

1) UL	AWM/STYLE 2464	80°C / 300 V <sub>RMS</sub>
	CL2	75°C
	VW-1	
2) CSA International	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	59 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	25 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	45 pf/ft @1 kHz, Nominal
4) Inductance	0.22 µH/ft, Nominal
5) Conductor DCR	66 /1000ft @20°C, Nominal
6) OA Shield DCR	2.9 /1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 12 x 8 Continuous length
b) 100 FT	12 x 10 x 5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 3470/37C

3470/37C , RoHS-Compliant Commencing With 3/1/2005 Production

This document certifies that the Alpha part number cited above are manufactured in accordance with Directive 2011/65/EC 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 these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

<b>Substance</b>	<b>Maximum Control Value</b>
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:



Dave Watson, Director of Engineering & QA

1/11/2013