



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

Customer Specification

PART NO. 1181/60C

Construction

				Diameters (In)			
1) Component 1	60 X 1 COND						
a) Conductor	22 (7/30) AWG TC						
b) Insulation	0.010" Wall, Nom. PVC			0.050			
(1) Color Code	Alpha Wire Company Color Code D						
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	21	WHITE/BROWN	41	WHITE/GREEN/RED		
2	RED	22	WHITE/ORANGE	42	WHITE/GREEN/GREEN		
3	WHITE	23	WHITE/SLATE	43	WHITE/GREEN/BLUE		
4	GREEN	24	WHITE/VIOLET	44	WHITE/GREEN/BROWN		
5	ORANGE	25	WHITE/BLACK/RED	45	WHITE/GREEN/VIOLET		
6	BLUE	26	WHITE/BLACK/GREEN	46	WHITE/BLUE/BLACK		
7	BROWN	27	WHITE/BLACK/YELLOW	47	WHITE/BLUE/RED		
8	YELLOW	28	WHITE/BLACK/BLUE	48	WHITE/BLUE/GREEN		
9	VIOLET	29	WHITE/BLACK/BROWN	49	WHITE/BLUE/BLUE		
10	SLATE	30	WHITE/BLACK/ORANGE	50	WHITE/BLUE/BROWN		
11	PINK	31	WHITE/BLACK/SLATE	51	WHITE/BLUE/VIOLET		
12	TAN	32	WHITE/BLACK/VIOLET	52	WHITE/BROWN/BLACK		
13	RED/GREEN	33	WHITE/BLACK/BLACK	53	WHITE/BROWN/RED		
14	RED/YELLOW	34	WHITE/RED/BLACK	54	WHITE/BROWN/GREEN		
15	RED/BLACK	35	WHITE/RED/RED	55	WHITE/BROWN/BLUE		
16	WHITE/BLACK	36	WHITE/RED/GREEN	56	WHITE/BROWN/BROWN		
17	WHITE/RED	37	WHITE/RED/BLUE	57	WHITE/BROWN/VIOLET		
18	WHITE/GREEN	38	WHITE/RED/BROWN	58	WHITE/VIOLET/RED		
19	WHITE/YELLOW	39	WHITE/RED/VIOLET	59	WHITE/VIOLET/GREEN		
20	WHITE/BLUE	40	WHITE/GREEN/BLACK	60	WHITE/VIOLET/BLUE		
2) Cable Assembly	60 Components Cabled						
a) Twists:	1.8 Twists/foot (min)						
3) Jacket	0.035" Wall, Nom.,PVC			0.520 (0.547 Max.)			
a) Color(s)	SLATE						
b) Print	ALPHA WIRE-* P/N 1181/60C 60C 22 AWG 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX CSA TYPE CMG FT4 ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>						

b) Print	ALPHA WIRE-* P/N 1181/60C 60C 22 AWG 75C (UL) TYPE CM OR AWM 2576 --- 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 2576	80°C / 150 V _{RMS}
	CM	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	330 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	33 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.18 µH/ft, Nominal
4) Conductor DCR	16.5 O/1000ft @20°C, Nominal

Other

1) Packaging	
a) 1000 FT	
b) 500 FT	
c) 100 FT	

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: 1181/60C

1181/60C, 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	0.1% 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 that appears to read "Dave Watson".

Dave Watson, Director of Engineering & QA

1/20/2011