



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

Customer Specification

PART NO. 172001

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	20 (SOLID) AWG TC	0.032
b) Insulation	0.010" Wall, Nom. PVC	0.052+/- 0.002
(1) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET	

Applicable Specifications

1) Military	MIL-W-16878E/1	105°C / 600 V _{RMS}
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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	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	8 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.04 µH/ft, Nominal
3) Conductor DCR	10.5 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 55DR75000	24 x 14 x 12 Max. 8 separate pieces; Min length/piece 1000 FT.
b) 37DR50000	18 x 12 x 8 Max. 10 separate pieces; Min length/piece 1000 FT.
c) 55DR50000	18 x 12 x 8 Max. 10 separate pieces; Min length/piece 1000 FT.
d) 37DR25000	12 x 12 x 3.5 Max. 10 separate pieces; Min length/piece 1000 FT.
e) 37DR20000	12 x 10 x 5 Max. 10 separate pieces; Min length/piece 1000 FT.
f) 37DR15000	12 x 10 x 5 Max. 8 separate pieces; Min length/piece 1000 FT.
g) 37DR10000	12 x 4.5 x 3.5 Max. 8 separate pieces; Min length/piece 1000 FT.
h) 5000 FT	10 x 4 x 3.5 Continuous length
i) 2500 FT	6.5 x 4 x 2.5 Continuous length
j) 1000 FT	6.5 x 2 x 1.9 Continuous length
k) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Not all colors available in all put-ups	
b) Splice Method is Square Knots on multiple piece put-ups	

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:172001

172001 , RoHS-Compliant Commencing With 7/1/2005 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)

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Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA

10/31/2012



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