ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT321V Page 1 of 2 Pages

Issue: 4 Issue Date: 12/5/2008 Effective Date: 12/5/2008

A. Construction

- 1) Tubing Type
 - ng Type Heat Shrinkable Tubing
- Tubing Material
 Color(s)

Cross Linked Polyolefin

BLACK, WHITE

Part Number	Minimum Supplied ID	Maximum Recovered	Nominal Recovered Wall	Available Colors
		ID	Thickness	
FIT321V-3/32	0.060	0.020	0.020	Black or White
FIT321V-1/8	0.120	0.040	0.024	Black or White
FIT321V-1/4	0.240	0.080	0.028	Black or White
FIT321V-3/8	0.360	0.120	0.031	Black, White, Green or Red
FIT321V-1/2	0.472	0.160	0.033	Black, White, Red or Yellow
FIT321V-3/4	0.720	0.240	0.039	Black, White or Red
FIT321V-1IN	0.945	0.315	0.048	Black, White or Red

B. Industry Approvals

1) UL

Standard 224

VW-1

2) Other AMS-DTL-23053/5 Class 1 & 3

3) 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.

The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

4) California Proposition 65:

υ.	r nysical a meenamearr roperties		
	1) Temperature Range	-55 to 135℃	
	2) Shrink Ratio	Approximately 3:1	
	Full Recovery Temperature	135 <i>°</i> C	
	Minimum Shrink Temperature	90 ℃	
	5) Tensile Strength	1500psi, Min	ASTM D638
	6) Elongation	200%, Min	ASTM D638
	 Low Temperature Flex(-55 ℃) 	no cracking	AMS-DTL-23053
	 Heat Resistance(175℃,168hrs) 	100% Elongation, Min	ASTM D638
	 Heat Shock(250 ℃,4hrs) 	no cracking	AMS-DTL-23053
	10) Secant Modulus	2.5x10 ⁴ psi, Min	ASTM D882
	 Longitudinal Change 	+5%/-15%	AMS-DTL-23053
	12) Specific Gravity	1.35, Max	ASTM D792
	13) Shelf Life	25 Years @ 0 to 35 ℃	
D.	Electrical Properties		
	1) Dielectric Strength	500 V/mil, Min	ASTM D876
	Volume Resistivity	1x10 ¹⁴ ohm-cm, Min	ASTM D876
Ε.	Chemical Properties		
	1) Water Absorption	0.50%, Max	ASTM D570
	 Fluid Resistance(23 ℃,24 Hrs) 	1000 PSI, Min	AMS-DTL-23053
	Halogen Free	No	
	4) Lead Free	No	
F.	Other		
	1) Packaging		
Alth	ough Alpha Wire Company ("Alpha") makes every r	easonable effort to ensure their accuracy at the time of	oublication information and

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a) FIT321V-3/32

500 FT

b) FIT321V-1/8 500 FT

c) FIT321V-1/4

250 FT d) FIT321V-3/8

150 FT e) FIT321V-1/2

e) FIT321V-1/2
 250 FT

f) FIT321V-3/4 250 FT

g) FIT321V-1IN 250 FT

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