ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT221	**Issue: 6**
Page 1 of 2 Pages	**Issue Date: 12/31/2008**
	Effective Date: 3/1/2009

A. Construction

1) Tubing Type — Heat Shrinkable Tubing
2) Tubing Material — Cross Linked Polyolefin
3) Color(s) — BLACK, WHITE, CLEAR, RED, YELLOW, BLUE, GREEN

Part Number	Minimum Supplied ID (In)	Maximum Recovered ID (In)	Nominal Recovered Wall Thickness (In)
FIT221-3/64	0.046	0.023	0.016
FIT221-1/16	0.063	0.031	0.017
FIT221-3/32	0.093	0.046	0.020
FIT221-1/8	0.125	0.062	0.020
FIT221-3/16	0.187	0.093	0.020
FIT221-1/4	0.250	0.125	0.025
FIT221-3/8	0.375	0.187	0.025
FIT221-1/2	0.500	0.250	0.025
FIT221-3/4	0.750	0.375	0.030
FIT221-1IN	1.000	0.500	0.035
FIT221-11/2	1.500	0.750	0.040
FIT221-2IN	2.000	1.000	0.045
FIT221-3IN	3.000	1.500	0.050
FIT221-4IN	4.000	2.000	0.055

B. Industry Approvals

1) UL — Standard 224 (Except Clear)
2) CSA International — Standard 198 (Except Clear)
3) Other — AMS-DTL-23053/5 Class 1 (Except Clear)
AMS-DTL-23053/5 Class 2 (Clear Only)
REACH Regulation (EC 1907/2006)
4) 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.
5) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

1)	Temperature Range	-55 to 135°C	
2)	Shrink Ratio	Approximately 2:1	
3)	Full Recovery Temperature	121°C	
4)	Minimum Shrink Temperature	90°C	
5)	Tensile Strength	1500psi, Min	ASTM D638
6)	Elongation	200%, Min	ASTM D638
7)	Low Temperature Flex(-55°C)	no cracking	AMS-DTL-23053
8)	Heat Shock(250°C,4hrs)	no cracking	AMS-DTL-23053
9)	Secant Modulus	$2.5x10^4$ psi, Min	ASTM D882
10)	Longitudinal Change	+/-5%	AMS-DTL-23053
11)	Specific Gravity(Colors)	1.35, Max	ASTM D792
	Specific Gravity(Clear)	1.00, Max	
12)	Shelf Life	5 Years @ 0 to 35°C	

D. Electrical Properties

1)	Dielectric Strength	500 V/mil, Min	ASTM D876

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711 Lidgerwood Ave Elizabeth, NJ 07207-0711
Toll Free 1-800-52 ALPHA • T: 1-908-925-8000 • F: 908-925-5411 • Email: info@alphawire.com
www.xtraguard.com • www.alphawire.com

2)	Volume Resistivity	$1x10^{14}$ ohm-cm, Min	ASTM D876

E. Chemical Properties

1)	Water Absorption(Colors)	0.50%, Max	ASTM D570
	Water Absorption(Clear)	0.20%, Max	
2)	Fluid Resistance(23°C,24 Hrs)	1000 PSI, Min	AMS-DTL-23053
3)	Vacuum Outgassing - CVCM	0.1%, Max	ASTM E595
4)	Halogen Free	Yes – Clear Only	
5)	Lead Free	Yes – Clear Only	

F. Other

1) Packaging
   a) FIT221-3/64
      1000 FT, 25X4 FT, 1000X1 IN, 1000X1/2IN, 40X6 IN
   b) FIT221-1/16
      1000 FT, 25X4 FT, 100 FT, 1000X1 IN, 70 FT, 1000X1/2IN, 36X6 IN
   c) FIT221-3/32
      500 FT, 25X4 FT, 100 FT, 1000X1 IN, 65 FT, 1000X1/2IN, 32X6 IN
   d) FIT221-1/8
      500 FT, 100 FT, 25X4 FT, 1000X1 IN, 60 FT, 1000X1/2IN, 28X6 IN
   e) FIT221-3/16
      500 FT, 25X4 FT, 100 FT, 1000X1 IN, 50 FT, 1000X1/2IN, 24X6 IN
   f) FIT221-1/4
      250 FT, 100 FT, 25X4 FT, 1000X1 IN, 40 FT, 1000X1/2IN, 20X6 IN
   g) FIT221-3/8
      200 FT, 25X4 FT, 1000X1 IN, 50 FT, 35 FT, 1000X1/2IN, 16X6 IN
   h) FIT221-1/2
      150 FT, 50 FT, 32 FT, 5X4 FT, 14X6 IN
   i) FIT221-3/4
      250 FT, 50 FT, 24 FT, 5X4 FT, 12X6 IN
   j) FIT221-1IN
      250 FT, 50 FT, 5X4 FT, 16 FT, 8X6 IN
   k) FIT221-11/2
      125 FT, 5X4 FT, 5X6 IN
   l) FIT221-2IN
      125 FT, 5X4 FT, 3X6 IN
   m) FIT221-3IN
      100 FT, 2X4 FT, 2X6 IN
   n) FIT221-4IN
      50 FT, 2X4 FT

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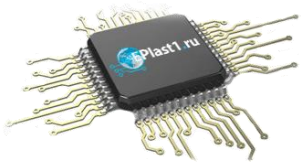
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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.