



1-800-52-ALPHA

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Part #	Shrink Ratio	Material	Min Supplied ID	Max Recovered ID	Nom Recovered Wall	Temperature	Ratings
FIT-105-3/16	2:1	IRR PVC	0.187	0.093	0.025	-20 to 105	AMS DTL-23053/2 CL1 Except Longitudinal Shrinkage, CSA 198, UL 224, UL VW-1

PART NO. FIT-105-3/16



This picture is representative only and may not match the specific configuration of the product listed on this page. Please refer to the product specifications for more information on this part number and its exact configuration.

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Construction

1) Tubing Type	Heat Shrinkable Tubing
2) Tubing Material	Irradiated PVC
3) Minimum Supplied ID(In)	0.187
4) Maximum Recovered ID (In)	0.093
5) Nominal Recovered Wall Thickness(In)	0.025
6) Color(s)	BLACK

Applicable Specifications

1) UL	VW-1	
	Standard 224	
2) CSA International	Standard 198	105°C
3) Other	AMS-DTL-23053/2 Class1 Exc	
	Longitudinal Shrinkage	

Environmental

1) EU Directive 2011/65/EU(RoHS2):	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C.
2) REACH Regulation (EC 1907/2006):	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration . The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
3) California Proposition 65:	

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Shrink Ratio	Approximately 2:1
3) Full Recovery Temperature	105 °C
4) Minimum Shrink Temperature	100°C
5) Tensile Strength	3000psi, Min
6) Elongation	300%, Min
7) Cold Impact(-55°C)	no cracking
8) Heat Shock(180°C,4hrs)	no cracking
9) Secant Modulus	2.5x10 ⁴ psi, Min
10) Longitudinal Change	+1%/-25%
11) Specific Gravity	1.32, Max

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Xtra-Guard® Performance Cable

Alpha Wire's Xtra-Guard® cable brings performance and reliability to the biggest challenges in the toughest environments. No matter what extremes your application faces, you'll find an Xtra-Guard cable that excels in meeting your requirements.



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The perfect accessory...

Heat Guns

Alpha heat guns are the perfect complement to our tubing, making it easy to apply FIT tubing quickly and efficiently.



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12) Shelf Life	1 Years @ 18 to 35°C	
	Electrical Properties	
1) Dielectric Strength	1083 V/mil, Min	ASTM D876
2) Volume Resistivity	1x10 ¹² ohm-cm, Min	ASTM D876
	Chemical Properties	
1) Water Absorption	1.00%, Max	ASTM D570
2) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fungus Resistance	Pass	AMS-DTL-23053
4) Halogen Free	No	
5) Lead Free	Yes	

Other

Packaging
1000 FT, 100 FT, 25 FT

Our FIT heat-shrink tubing offers a reliable way to protect and seal terminations or add additional mechanical ruggedness. FIT preferred heatshrink products are made from premium compounds under the tightest manufacturing controls. This means FIT will consistently have excellent physical characteristics such as low longitudinal shrinkage and wide temperature ranges while providing an elegant appearance when used alone or on OEM equipment.

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