2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

Customer Specification

PART NO. CAP-22

Construction

1) Tubing Type	Heat Shrinkable Cap
2) Tubing Material	Semi Rigid Polyolefin
3) Minimum Supplied ID(In)	0.290
4) Maximum Recovered ID (In)	0.130
5) Nominal Recovered Wall Thickness(In)	0.050
6) Nominal Recovered Length(In)	1.000
7) Color(s)	BLACK

Applicable Specifications

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.
3) 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 135°C	
2) Shrink Ratio	Approximately 2:1	
3) Tensile Strength	2500psi, Min	ASTM D638
4) Elongation	300%, Min	ASTM D638
5) Specific Gravity	1.25, Max	ASTM D792
6) Shelf Life	25 Years @ 18 to 35°C	
Electrical Properties		
1) Dielectric Strength	700 V/mil, Min	ASTM D876
2) Volume Resistivity	$1x10^{16}$ ohm-cm, Min	ASTM D876
Chemical Properties		
1) Water Absorption	0.10%, 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
25 PC/PKG
Notes
1) Recovered parts may have an angularity of 30 - 45 degrees

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: CAP-22

CAP-22, RoHS-Compliant Commencing With 5/1/2004 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

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) , Including Deca-BDE	0.1% by weight (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	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:



Dave Watson, Director of Engineering 8/10/2024

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Global Electronic Components Distributor

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Alpha Wire:

6715 YL005 1232 SV001 1855 WO005 3081 GR005 5855 OR005 6300/3 SL005 6710 BL001 F2213/8 GR065 7130 BK005 3075 VI005 461816 WH005 6822 BK005 6822 WH001 F60011/2 BK008 1853 YL005 1855 BK001 1858/19 BR005 2842/19 SL005 3051 SL001 3252 VI005 5854/7 YL001 7013 WH001 3050 BR001 F221V1/8 BK103 F3001/2 BK056 2842/7 BL005 3252 YL005 5852 BL001 782401 VI005 PF2001 NA005