

Request a Sample

# Customer Specification PART NO. GRP-120NF14

## Construction

1) Tubing Type	Expandable Sleeving
2) Tubing Material	Flame Retardant Braided PET
3) Minimum Supplied ID(In)	0.156
4) Maximum Expanded ID (In)	0.438
5) Nominal Wall Thickness +/- 0.005(In)	0.024
6) Number of Carriers	40
7) Number of Yarns	3
8) Total Number of Monofilaments	120
9) Color(s)	BLACK WITH WHITE TRACER THREAD

**Applicable Specifications** 

1) UL	VW-1	
	UZKX2	
2) CSA International	5836 01	
3) Military	MIL-I-631	

### Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):		
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item.	
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.	
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	-75 to 125°C		
2) Tensile Strength	55000psi, Min	ASTM D638	
Electrical Properties			
Chemical Properties			
1) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053	
2) Fungus Resistance	Pass	AMS-DTL-23053	
3) Halogen Free	Yes		
4) Lead Free	Yes		

#### Other

<b>  </b>	
<b>II</b>	
II Packaging	
III ackaging	

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## **EU/China ROHS CERTIFICATE OF COMPLIANCE**

To Whom It May Concern:

Alpha Wire Part Number: GRP-120NF14

GRP-120NF14, RoHS-Compliant Commencing With 7/1/2006 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above 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) 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.

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)

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA

Alpha Wire

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