

Request a Sample

Customer Specification PART NO. GRP-110NF12

Construction

501104.001011		
1) Tubing Type	Expandable Sleeving	
2) Tubing Material	Braided Polyethelene Terephthalate	
3) Minimum Supplied ID(In)	0.250	
4) Maximum Expanded ID (In)	0.750	
5) Nominal Wall Thickness +/- 0.005(In)	0.024	
6) Number of Carriers	64	
7) Number of Yarns	3	
8) Total Number of Monofilaments	192	
9) Color(s)	BLACK OR NATURAL	

Applicable Specifications

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

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	-75 to 125°C		
2) Tensile Strength	85000psi, Min	ASTM D638	
Electrical Properties			
Chemical Properties			
1) Water Absorption	0.08%, Max	ASTM D570	
2) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053	
3) Fungus Resistance	Pass	AMS-DTL-23053	
4) Halogen Free	Yes		
5) Lead Free	Yes		

Other

ll	
II Packaging	

www.alphawire.com

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: GRP-110NF12

GRP-110NF12, RoHS-Compliant Commencing With 10/1/2004 Production

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, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to this Directive for the specific definitions and extents of this Directive. **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 11364-2006.

SubstanceMaximum Control ValueLead0.1% by weight (1000 ppm)Mercury0.1% by weight (1000 ppm)Cadmium0.01% by weight (100 ppm)Hexavalent Chromium0.1% 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)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

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