## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: GRP120 Issue: 3

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### A. Construction

1) Product Sleeving

2) Material Flame Retardant Braided Polyester

### **B. Physical Properties**

1) Appearance Free From Defects

2) Surface Marking None3) Dimensions & Sleeving Construction See Table 1

4) Color Black or White with Contrasting Tracer Threads

5) Temperature Rating -75° to +125°C 6) Flammability Pass UL VW-1

7) Melt Temperature 230°C

Table 1

Table 1							
	Nominal	Minimum	Maximum	Number of	Number of	Total number	
Part Number	Wall	Supplied	Expanded	Carriers	Yarns	of	
	Thickness	Inside	Inside			Monofilaments	
	+/-0.005	Diameter	Diameter				
GRP120-1/8	0.025	0.093	0.250	32	1	32	
GRP120-1/4	0.025	0.125	0.375	24	3	72	
GRP120-1/2	0.025	0.250	0.750	48	3	144	
GRP120-3/4	0.025	0.500	1.250	72	3	216	
GRP120-11/4	0.025	0.750	1.750	96	3	288	
GRP120-13/4	0.025	1.250	2.750	120	4	480	
GRP120-2	0.025	1.500	3.500	120	4	480	

#### C. Chemical Properties

1) Corrosion Not affected by most chemical environments and

common solvents

2) Fungus Resistance No growth

D. Industry Approvals and Ratings

1) UL UZKX2 2) Military MIL-I-631

E. Packaging Requirements

1) Standard Package See Table 2

This technical specification outlines the requirements for the products described herein. Deviations from this specification are **not permitted** without the written authorization of the Alpha Wire Engineering Department. All finished products will be inspected to this specification and noncompliance or unauthorized deviations will be cause for rejection and return of product. All information contained herein is confidential. It's use is restricted to authorized Alpha Wire Company personnel or authorized

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Table 2

	1 4510 2								
Part Number	Total	Maximum	Standard	Spool					
	Footage	Number of	Package	Size					
		Splices							
GRP120-1/8	100	0	Cardboard	3 ¾ x 6 ½					
	500	2	Spools	6 x 6 ½					
GRP120-1/4	100	0	Cardboard	3 ¾ x 6 ½					
	500	2	Spools	6 x 6 ½					
GRP120-1/2	100	1	Cardboard	3 ¾ x 6 ½					
	500	2	Spools	6 x 10 ½					
GRP120-3/4	100	1	Cardboard	3 ¾ x 6 ½					
	500	3	Spools	6 x 10 ½					
GRP120-11/4	50	0	Cardboard	3 ¾ x 6 ½					
	250	2	Spools	3 ¾ x 10 ½					
GRP120-13/4	50	1	Cardboard	6 x 6 ½					
	250	2	Spools	6 x 10 ½					
GRP120-2	50	1	Cardboard	6 x 6 ½					
	250	2	Spools	6 x 10 ½					

Note: Minimum length of any splice shall be 20 feet