

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: GRP110NF
Page 1 of 2 Pages

Issue: 3
Issue Date: 7/28/2008
Effective Date: 8/28/2008

A. Construction

- | | |
|-------------|------------------------------------|
| 1) Product | Fray Resistant Expandable Sleeving |
| 2) Material | Braided Polyethylene Terephthalate |

B. Physical Properties

- | | |
|---------------------------------------|-------------------|
| 1) Appearance | Free From Defects |
| 2) Surface Marking | None |
| 3) Dimensions & Sleeving Construction | See Table 1 |
| 4) Color | Black |
| 5) Temperature Rating | -70° to +125°C |
| 6) Melt Temperature | 230°C |

Table 1

Part Number	Nominal Wall Thickness +/-0.005	Minimum Supplied Inside Diameter	Maximum Expanded Inside Diameter	Number of Carriers	Number of Yarns	Total number of Monofilaments
GRP110NF18	0.024	0.125	0.250	32	3	96
GRP110NF14	0.024	0.156	0.438	40	3	120
GRP110NF12	0.024	0.250	0.750	64	3	192
GRP110NF34	0.024	0.625	1.000	80	3	240
GRP110NF114	0.024	1.000	1.500	120	3	360
GRP110NF112	0.024	1.250	2.000	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) CSA Class | 5836 01 |
| 3) Military | MIL-I-631 |

E. Packaging Requirements

- | | |
|---------------------|-------------------------|
| 1) Alpha Standard | PS-002, Latest Revision |
| 2) 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 vendors of the Alpha Wire Company. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.

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Table 2

Part Number	Total Footage	Maximum Number of Splices	Standard Package	Spool Size
GRP110NF18	100	2	Cardboard Spools	3 x 5 5/8
	500	5		6 x 6 1/2
GRP110NF14	100	2	Cardboard Spools	3 x 5 5/8
	500	5		6 x 6 1/2
GRP110NF12	100	2	Cardboard Spools	3 x 5 5/8
	500	5		6 x 10 1/2
GRP110NF34	100	2	Cardboard Spools	3 x 5 5/8
	500	5		6 x 10 1/2
GRP110NF114	50	0	Cardboard Spools	3 x 5 5/8
	250	4		3 3/4 x 10 1/2
GRP110NF112	50	0	Cardboard Spools	3 x 5 5/8
	250	4		6 x 10 1/2

Note: Minimum length of any splice shall be 20 feet

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