# ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: ZIPGRP Issue: 4
Page 1 of 1 Pages Issue Date: 3/1/2011
Effective Date: 3/1/2011

A. Construction

1) Tubing Type Expandable Sleeving

Tubing Material
 Color(s)
 Braided PET with Hook and Loop Closure
 BLACK WITH WHITE TRACER THREAD

Part Number	Minimum	Maximum	Nominal Wall	Number of	Number of	Total Number of
	Supplied ID	Expanded ID	Thickness +/-	Carriers	Yarns	Monofilaments
	(ln)	(ln)	0.005 (In)			
ZIP-GRP-7/8	0.500	2.375	0.025	88	4	220
ZIP-GRP-1-1/2	1.500	3.500	0.025	105	4	420
ZIP-GRP-2	2.000	4.500	0.025	137	4	548

### B. Applicable Specifications

1) UL VW-1 UZKX2 2) CSA International 5836 01

## C. Environmental Compliance

1) EU Directive 2002/95/EC(RoHS):

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.

2) REACH Regulation (EC 1907/2006):

This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

Temperature Range
 Tensile Strength
 Specific Gravity
 Temperature Range
 To to 125°C
 Spoopsi, Min
 ASTM D638
 ASTM D792

## E. Electrical Properties

F. Chemical Properties

1)Water Absorption0.15%, MaxASTM D5702)Corrosion(0°C,16hrs)no corrosionAMS-DTL-230533)Fungus ResistancePassAMS-DTL-23053

4) Halogen Free Yes 5) Lead Free Yes

#### G. Other

1) Packaging

a) ZIP-GRP-7/850 FT, 25 FTb) ZIP-GRP-1-1/2

50 FT, 25 FT c) ZIP-GRP-2

50 FT, 25 FT

2) Notes:

a) Melt temperature: 250C (482F)b) Monofilament thickness: .010 inc) recommended cutting method: Hot knife

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