

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

<b>Part Number: XS100</b>	<b>Issue: 2</b>
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	<b>Effective Date: 9/11/2009</b>

**A. Construction**

- |                    |                     |
|--------------------|---------------------|
| 1) Tubing Type     | Expandable Sleeving |
| 2) Tubing Material | Braided PET         |
| 3) Color(s)        | BLACK OR NATURAL    |

Part Number	Minimum Supplied ID (In)	Maximum Expanded ID (In)	Nominal Wall Thickness +/- 0.005 (In)	Number of Carriers	Number of Yarns	Total Number of Monofilaments
XS-100-1/8	0.093	0.250	0.025	32	1	32
XS-100-1/4	0.125	0.313	0.025	48	1	48
XS-100-1/2	0.375	0.625	0.025	48	3	144
XS-100-3/4	0.625	1.000	0.025	72	3	216
XS-100-1-1/4	1.125	1.375	0.025	96	3	288
XS-100-1-3/4	1.500	2.250	0.025	120	4	480
XS-100-2	1.500	3.000	0.025	120	5	600
XS-100-2-1/2	2.000	3.500	0.025	144	5	720

**B. Industry Approvals**

- |                      |              |       |
|----------------------|--------------|-------|
| 1) UL                | Standard 224 | 125°C |
|                      | UZKX2        |       |
| 2) CSA International | 5836 01      |       |

**C. Environmental Approvals**

- 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 16 substances listed on the European Union's REACH Substance of Very High Concern (SVHC) 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.

**D. Physical & Mechanical Properties**

- |                      |                |           |
|----------------------|----------------|-----------|
| 1) Temperature Range | -70 to 125°C   |           |
| 2) Tensile Strength  | 100000psi, Min | ASTM D638 |
| 3) Elongation        | 20%, Min       | ASTM D638 |
| 4) Specific Gravity  | 1.31, Max      | ASTM D792 |

**E. Electrical Properties**

**F. 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          |               |

**G. Other**

- 1) Packaging
- a) XS-100-1/8  
500 FT
  - b) XS-100-1/4  
500 FT
  - c) XS-100-1/2  
500 FT
  - d) XS-100-3/4

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- 500 FT
- e) XS-100-1-1/4  
500 FT, 250 FT
- f) XS-100-1-3/4  
250 FT
- g) XS-100-2  
250 FT
- h) XS-100-2-1/2  
100 FT

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