



1-800-52-ALPHA

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Part #	Type	Shielding	Voltage	AWG	# of Elements	Jacket Diameter	Ratings
5102C	Conductor	SupraShield (Premium Foil/Braid)	300	22	2	0.196	CA Prop 65, CE, CSA CMG, CSA FT4, UL VW-1

PART NO. 5102C

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Construction

- | | |
|----------------|-----------------------------------|
| 1) Component 1 | 2 X 1 COND |
| a) Conductor | 22 (7/30) AWG TC |
| b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid |
| (1) Color Code | Alpha Wire Company Color Code E |

Cond	Color	Cond	Color	Co
1	BLACK	2	BROWN	

- | | |
|-------------------|--|
| 2) Cable Assembly | 2 Components Cabled |
| a) Twists: | 12.0 Twists/foot (min) |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. |
| 3) Shield: | A/P/A Tape, 25% Overlap, Min. |
| a) Drain Wire | 22 (7/30) AWG TC |
| b) Braid | TC, 70% Coverage, Min. |
| 4) Jacket | 0.032" Wall, Nom., PVC |
| a) Color(s) | Slate, Black, Yellow, Orange, Blue, Green |
| b) Ripcord | 1 End 810 Denier Nylon |
| c) Print | ALPHA WIRE-* P/N 5102C 2C 22 AWG XTRAGUARD 1 XTREME PERFORMANCE I ENVIRONMENTS - SHIELDED 105C (UL) 2464 VW-1 --- LLXXXXX CSA 105C TYF CE ROHS |

* = Factory Code
 [Note: Product may have c(UL) or CSA r manufacture.]

A perfect FIT for this product...

FIT Heat-Shrink Tubing

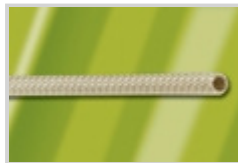
Whether your concerns are mechanical strain relief, environmental sealing, or organizing wires, Alpha Wire's FIT heat-shrink tubing is ideal for solving many challenges in electrical and electronic wiring.

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Managing this product is simple...

FIT Wire Management

Bringing order to wire harnesses and cable routing means a system that is more reliable, easier to fabricate, and simpler to maintain. Let Alpha Wire help you solve wire management problems.

[LEARN MORE](#)

Industry Approvals

- | | | |
|----------------------|-----------------------------------|---|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 10002 | : |
| b) Overall | AWM/STYLE 2464 | { |
| | CM | : |
| | VW-1 | : |
| 2) CSA International | CMG | : |
| | FT4 | : |
| 3) CE: | LVD 73/23/EEC Amendment 93/68/EEC | : |

Environmental

- | | |
|-----------------------------------|---|
| 1) EU Directive 2002/95/EC(RoHS): | All materials used in compliance with EU restriction of use of electrical and electronic components. See our web site for compliance information. |
| 2) California Proposition 65: | The outer surface material of this part meet the requirements of Proposition 65. |

Properties

Physical & Mechanical Properties

- Temperature Range

- 3) Pull Tension
- 4) Sunlight Resistance

Electrical Properties

- 1) Voltage Rating
- 2) Capacitance
- 3) Ground Capacitance
- 4) Characteristic Impedance
- 5) Inductance
- 6) Conductor DCR
- 7) OA Shield DCR

Other

1) Packaging

- a) 1000 FT
- b) 500 FT
- c) 100 FT
- d) Bulk(Made-to-order)

Xtra-Guard 1 - High performance in a tough PVC cable



- High-performance cable for general-purpose applications
- Features a unique, premium-grade PVC insulation and jacket for easier routing
- Provides resistance to oils per UL Oil Res I and Class 43
- Designed for use in ambient temperatures up to 105°C
- Provides exceptional protection against EMI interference when Supra-Shield is s



CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5102C

5102C, RoHS-Compliant Commencing With 8/1/2005 Production

This document certifies that the Alpha part numbers cited above are manufactured of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directive, which restricts the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. For more information, the reader is referred to these Directives for the specific definitions and extents of these substances. This document is required for RoHS Compliance on this item.

Substance	Maximum Concentration
Lead	0.1%
Mercury	0.1%
Cadmium	0.01%
Hexavalent Chromium	0.1%
Polybrominated Biphenyls (PBB)	0.1%
Polybrominated Diphenyl Ethers (PBDE) ,	
Including Deca-BDE	0.1%

The information provided in this document and disclosure is correct to the best of our knowledge and belief at the date of its release. The information provided is designed only as a general guide and any other operation of the product itself or the one that it will become part of. This document is not considered a warranty or quality specification. Regulatory information is for guidance only. The user is responsible for determining the applicability of legislation and regulations based on the specific requirements of the user's application.

Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

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