

UL TYPE CM, AWM 2464
CSA CMG FT4
300 VOLT

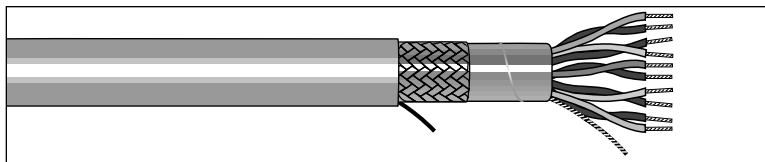
XTRA•GUARD® 1

MULTIPAIR, SUPRASHIELD®

EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- SUPRASHIELD – Twice as Effective as Foil Shielding



XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS

OPERATING TEMPERATURE

- -20° C to 80° C – AWM
- -20° C to 75° C – CM

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart B Page 374, 20, 18 AWG Chart A Page 374
- Jacket Colors: Gray, Black

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- SUPRASHIELD: Aluminum/ Polyester/ Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

FIT® TUBING RECOMMENDATION

FIT®-221 – General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT®-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See Page 121 for Product Specifications)

24 AWG (0,23mm²), 7/ 32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5271C	1	0.032	0,81	0.18	4,6
5272C	2	0.032	0,81	0.23	5,8
5273C	3	0.032	0,81	0.25	6,5
5274C	4	0.032	0,81	0.28	7,0
5275C	5	0.032	0,81	0.30	7,5
5276C	6	0.032	0,81	0.31	8,0
5279C	9	0.032	0,81	0.36	9,1
5279/11C	11	0.032	0,81	0.38	9,7
5279/15C	15	0.032	0,81	0.43	10,8
5279/19C	19	0.032	0,81	0.46	11,8
5279/27C	27	0.032	0,81	0.53	13,4
5279/51C	51	0.053	1,35	0.71	18,1

22 AWG (0,35mm²), 7/ 30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5121C	1	0.032	0,81	0.20	5,1
5122C	2	0.032	0,81	0.25	6,3
5123C	3	0.032	0,81	0.28	7,1
5124C	4	0.032	0,81	0.31	7,8
5125C	5	0.032	0,81	0.33	8,3
5126C	6	0.032	0,81	0.35	8,9
5129C	9	0.032	0,81	0.40	10,1
5129/11C	11	0.032	0,81	0.43	10,9
5129/15C	15	0.032	0,81	0.48	12,1
5129/19C	19	0.032	0,81	0.52	13,2
5129/27C	27	0.053	1,35	0.64	16,2

20 AWG (0,56mm²), 7/ 28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5292C	2	0.032	0,81	0.33	8,3
5293C	3	0.032	0,81	0.35	8,9
5296C	6	0.032	0,81	0.44	11,3
5299C	9	0.032	0,81	0.51	13,0
5299/19C	19	0.053	1,35	0.72	18,4

18 AWG (0,81mm²), 16/ 30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5132C	2	0.032	0,81	0.36	9,1
5133C	3	0.032	0,81	0.39	9,8
5136C	6	0.032	0,81	0.49	12,5
5139C	9	0.053	1,35	0.62	15,6
5139/27C	27	0.083	2,11	0.98	24,9

FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION IN THE BACK OF THIS BOOK.

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ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5121C
Page 1 of 1 Pages

Issue: 4
Issue Date: 11/5/2003
Effective Date: 12/16/2003

- A. Construction** Diameters
- 1) Component 1 1 X 1 PAIR
 - a) Conductor 22 (7/30) AWG TC
 - b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.050
 - (1) Color Code Alpha Wire Color Code B

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK				

- c) Pair 2/Cond Cabled Together
- (1) Twists: 8.0 Twists/foot (min)
- 2) Core Wrap 0.0010" Clear Mylar 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 0.195+/- 0.010
 - a) Color(s) Gray, Black
 - b) Ripcord 1 End 810 Denier Nylon
 - c) Print ALPHA WIRE-* P/N 5121C 1PR 22 AWG

XTRA GUARD 1 SHIELDED 75C (UL) TYPE CM OR AWM 2464
--- LLXXXXXX CSA TYPE CMG FT4 CE

* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- 1) UL
 - a) Component 1 AWM/STYLE10002 105°C / 300V
 - b) Overall AWM/STYLE2464 80°C / 300V
 - CM 75°C / 300V
 - VW-1
- 2) CSA International CMG 60°C
FT4
- 3) CE LVD 73/23/EEC Amendment 93/68/EEC

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 80°C
- 2) Bend Radius 10X Cable Diameter

D. Electrical Properties

- 1) Voltage Rating 300 V_{RMS}

E. Other

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