

UL TYPE CM, AWM 2464
CSA CMG FT4
300 VOLT

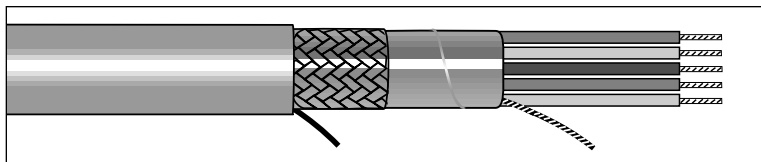
XTRA·GUARD® 1

MULTICONDUCTOR, 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:

- 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: Chart D Page 375
- 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

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

XTRA·GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5162C, 5162/1C*	2	0.032	0,81	0.25	6,5
5163C, 5163/1C*	3	0.032	0,81	0.28	7,2
5164C	4	0.032	0,81	0.31	7,8
5166C	6	0.032	0,81	0.35	8,9
5168C	8	0.032	0,81	0.38	9,7
5170C	10	0.032	0,81	0.41	10,5
5170/15C	15	0.032	0,81	0.48	12,1
5170/20C	20	0.032	0,81	0.53	13,5
5170/25C	25	0.053	1,35	0.62	15,8
5170/30C	30	0.053	1,35	0.67	16,9
5170/40C	40	0.053	1,35	0.74	18,9

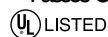
16 AWG (1,23mm²), **19/ 0.0117** (19x0,29mm), Insulation Thickness **0.017"** (0,43mm)

XTRA·GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5172C, 5172/1C*	2	0.032	0,81	0.28	7,2
5173C, 5173/1C*	3	0.032	0,81	0.32	8,0
5174C	4	0.032	0,81	0.34	8,8
5176C	6	0.032	0,81	0.39	10,0
5178C	8	0.032	0,81	0.43	11,0
5180C	10	0.032	0,81	0.47	11,9
5180/15C	15	0.032	0,81	0.55	13,9
5180/20C	20	0.053	1,35	0.65	16,6
5180/25C	25	0.053	1,35	0.71	18,0

*Conductors color coded per international standards: brown, blue, green/yellow

SPECIFICATIONS

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



Passes
UL VW-1 Flame Test
Underwriters Laboratories Inc.



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)

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

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35

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5174C
Page 1 of 1 Pages

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

- A. Construction** Diameters
- 1) Component 1 4 X 1 COND
 - a) Conductor 16 (19/.0117) AWG TC
 - b) Insulation 0.016" Wall, Nom. PVC 0.091
 - (1) Color Code Alpha Wire Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE		
2	RED	4	GREEN		

- 2) Cable Assembly 4 Components Bunch Cabled
 - a) Twists: 3.7 Twists/foot (min)
 - b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Shield: A/P/A Tape, 25% Overlap, Min.
 - a) Drain Wire 16 (19/.0117) AWG TC
 - b) Braid TC, 70% Coverage, Min.
- 4) Jacket 0.032" Wall, Nom., PVC 0.315+/- 0.012
 - a) Color(s) Gray, Black
 - b) Ripcord 1 End 810 Denier Nylon
 - c) Print ALPHA WIRE-* P/N 5174C 4/C 16 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/STYLE1569 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)