

# XTRA·GUARD®1

MULTICONDUCTOR, UNSHIELDED

Xtreme Performance for Xtreme Environments



UL Type CM  
AWM 2464  
CSA CMG FT4  
RoHS COMPLIANT  
300 VOLT

Xtreme Performance In Critical, High Technology Electronic Signal Applications

**XTRME PERFORMANCE BENEFITS:**

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Ultraviolet (uV) Stabilized, All Colors



**XTRA·GUARD® 1 APPLICATIONS:**

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

**CHARACTERISTICS**

**Operating Temperature:**

- -20°C to 105°C CM & CMG
- -20°C to 80°C AWM 2464

**Voltage Rating:**

- 300 Volt

**Color Description:**

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

**Product Description:**

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

**SPECIFICATIONS**

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 1569 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

**18 AWG (0.81mm<sup>2</sup>), 16/30 (16X0.25mm), Insulation Thickness: 0.017**

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5062C	2	0.032	0.81	0.226	5.74
5062/1C*	2	0.032	0.81	0.226	5.74
5063C	3	0.032	0.81	0.238	6.05
5063/1C*	3	0.032	0.81	0.238	6.05
5064C	4	0.032	0.81	0.259	6.58
5066C	6	0.032	0.81	0.307	7.80
5068C	8	0.032	0.81	0.332	8.43
5070C	10	0.032	0.81	0.384	9.75
5070/15C	15	0.032	0.81	0.433	11.00
5070/20C	20	0.032	0.81	0.484	12.29
5070/25C	25	0.032	0.81	0.542	13.77
5070/30C	30	0.053	1.35	0.617	15.67
5070/40C	40	0.053	1.35	0.688	17.48
5070/50C	50	0.053	1.35	0.758	19.25
5070/60C	60	0.083	2.11	0.881	22.38

**16 AWG (1.23mm<sup>2</sup>), 19/0.0117 (19X0.30mm), Insulation Thickness: 0.016\* (0.41mm)**

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5072C	2	0.032	0.81	0.250	6.35
5072/1C*	2	0.032	0.81	0.250	6.35
5073C	3	0.032	0.81	0.264	6.71
5073/1C*	3	0.032	0.81	0.264	6.71
5074C	4	0.032	0.81	0.288	7.32
5076C	6	0.032	0.81	0.343	8.71
5078C	8	0.032	0.81	0.372	9.45
5080C	10	0.032	0.81	0.432	10.97
5080/15C	15	0.032	0.81	0.488	12.40
5080/20C	20	0.032	0.81	0.547	13.89
5080/25C	25	0.053	1.35	0.656	16.66
5080/30C	30	0.053	1.35	0.694	17.63
5080/40C	40	0.053	1.35	0.775	19.68
5080/50C	50	0.083	2.11	0.917	23.29
5080/60C	60	0.083	2.11	0.989	25.12



Canadian Standards Association



**AVAILABILITY**

- Most Items Are Available For Same-Day Shipment From Inventory
  - Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To <http://www.alphawire.com/pages/stk.cfm> For Stocked Items
  - Minimums May Apply For Non Stocked Items

**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)

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