

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

XTREME 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: 24, 22 AWG Chart E Page 375, 20 AWG 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 Each of Jacket Stripping
- Jacket: Premium PVC

SPECIFICATIONS:

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



Underwriters Laboratories Inc.



Canadian Standards Association



RoHS Compliant

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

FTT® TUBING RECOMMENDATION

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

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



24 AWG (0.23mm²), 7/32 (7x 0.20mm), Insulation Thickness: 0.010" (0.25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5012C	2	0.032	0.81	0.156	3.96
5013C	3	0.032	0.81	0.163	4.14
5014C	4	0.032	0.81	0.175	4.44
5016C	6	0.032	0.81	0.201	5.11
5018C	8	0.032	0.81	0.215	5.46
5020C	10	0.032	0.81	0.244	6.20
5020/15C	15	0.032	0.81	0.271	6.88
5020/20C	20	0.032	0.81	0.300	7.62
5020/25C	25	0.032	0.81	0.332	8.43
5020/30C	30	0.032	0.81	0.350	8.89
5020/40C	40	0.032	0.81	0.390	9.91
5020/50C	50	0.032	0.81	0.429	10.90
5020/80C	80	0.032	0.81	0.526	13.36

22 AWG (0.35mm²), 7/30 (7x 0.25mm), Insulation Thickness: 0.010" (0.25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5002C	2	0.032	0.81	0.168	4.27
5003C	3	0.032	0.81	0.176	4.47
5004C	4	0.032	0.81	0.189	4.80
5006C	6	0.032	0.81	0.219	5.56
5008C	8	0.032	0.81	0.235	5.97
5010C	10	0.032	0.81	0.268	6.81
5010/15C	15	0.032	0.81	0.299	7.59
5010/20C	20	0.032	0.81	0.331	8.41
5010/25C	25	0.032	0.81	0.368	9.35
5010/30C	30	0.032	0.81	0.389	9.88
5010/40C	40	0.032	0.81	0.434	11.02
5010/50C	50	0.032	0.81	0.478	12.14
5010/60C	60	0.032	0.81	0.518	13.16

20 AWG (0.56mm²), 7/28 (7x0.32mm), Insulation Thickness: 0.017" (0.43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5052C	2	0.032	0.81	0.208	5.28
5053C	3	0.032	0.81	0.219	5.56
5054C	4	0.032	0.81	0.238	6.05
5056C	6	0.032	0.81	0.280	7.11
5058C	8	0.032	0.81	0.302	7.67
5060C	10	0.032	0.81	0.348	8.84
5060/15C	15	0.032	0.81	0.391	9.93
5060/20C	20	0.032	0.81	0.437	11.10
5060/25C	25	0.032	0.81	0.488	12.40
5060/30C	30	0.032	0.81	0.517	13.13
5060/40C	40	0.053	1.35	0.622	15.80
5060/50C	50	0.053	1.35	0.684	17.37
5060/60C	60	0.053	1.35	0.740	18.80

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