

# XTRA•GUARD® 1

## MULTICONDUCTOR, UNSHIELDED

EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2464

CSA CMG FT4

RoHS COMPLIANT

300 VOLT

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements

### 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 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Gray, Black

#### 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
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



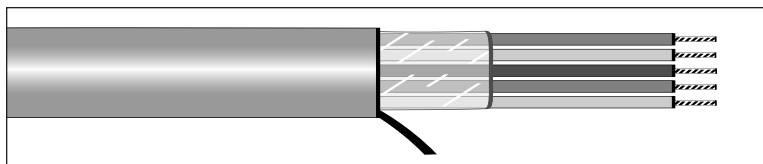
### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum
- ▲ Also available in Gray 328 ft (100m)

#### 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** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

| XTRA•GUARD 1<br>Part No. | No. of<br>Cond. | Jacket Thickness<br>Inches mm | Nominal Diameter<br>Inches mm |
|--------------------------|-----------------|-------------------------------|-------------------------------|
| 5012C                    | 2               | 0.032 0,81                    | 0.16 4,0                      |
| 5013C                    | 3               | 0.032 0,81                    | 0.17 4,4                      |
| ▲ 5014C                  | 4               | 0.032 0,81                    | 0.19 4,7                      |
| ▲ 5016C                  | 6               | 0.032 0,81                    | 0.21 5,3                      |
| ▲ 5018C                  | 8               | 0.032 0,81                    | 0.23 5,8                      |
| ▲ 5020C                  | 10              | 0.032 0,81                    | 0.24 6,2                      |
| ▲ 5020/15C               | 15              | 0.032 0,81                    | 0.28 7,1                      |
| 5020/20C                 | 20              | 0.032 0,81                    | 0.31 7,9                      |
| 5020/25C                 | 25              | 0.032 0,81                    | 0.34 8,5                      |
| 5020/30C                 | 30              | 0.032 0,81                    | 0.36 9,1                      |
| 5020/40C                 | 40              | 0.032 0,81                    | 0.40 10,2                     |
| 5020/50C                 | 50              | 0.032 0,81                    | 0.44 11,2                     |

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

| XTRA•GUARD 1<br>Part No. | No. of<br>Cond. | Jacket Thickness<br>Inches mm | Nominal Diameter<br>Inches mm |
|--------------------------|-----------------|-------------------------------|-------------------------------|
| 5002C                    | 2               | 0.032 0,81                    | 0.17 4,3                      |
| 5003C                    | 3               | 0.032 0,81                    | 0.19 4,8                      |
| 5004C                    | 4               | 0.032 0,81                    | 0.20 5,2                      |
| 5006C                    | 6               | 0.032 0,81                    | 0.23 5,8                      |
| 5008C                    | 8               | 0.032 0,81                    | 0.25 6,4                      |
| 5010C                    | 10              | 0.032 0,81                    | 0.27 6,9                      |
| 5010/15C                 | 15              | 0.032 0,81                    | 0.31 7,9                      |
| 5010/20C                 | 20              | 0.032 0,81                    | 0.35 8,8                      |
| 5010/25C                 | 25              | 0.032 0,81                    | 0.38 9,6                      |
| 5010/30C                 | 30              | 0.032 0,81                    | 0.41 10,3                     |
| 5010/40C                 | 40              | 0.032 0,81                    | 0.46 11,6                     |
| 5010/50C                 | 50              | 0.032 0,81                    | 0.50 12,7                     |
| 5010/60C                 | 60              | 0.032 0,81                    | 0.55 13,7                     |

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.017"** (0,43mm)

| XTRA•GUARD 1<br>Part No. | No. of<br>Cond. | Jacket Thickness<br>Inches mm | Nominal Diameter<br>Inches mm |
|--------------------------|-----------------|-------------------------------|-------------------------------|
| 5052C                    | 2               | 0.032 0,81                    | 0.21 5,3                      |
| 5053C                    | 3               | 0.032 0,81                    | 0.23 5,9                      |
| 5054C                    | 4               | 0.032 0,81                    | 0.25 6,5                      |
| 5056C                    | 6               | 0.032 0,81                    | 0.29 7,4                      |
| 5058C                    | 8               | 0.032 0,81                    | 0.32 8,2                      |
| 5060C                    | 10              | 0.032 0,81                    | 0.35 8,8                      |
| 5060/15C                 | 15              | 0.032 0,81                    | 0.40 10,3                     |
| 5060/20C                 | 20              | 0.032 0,81                    | 0.45 11,5                     |
| 5060/25C                 | 25              | 0.032 0,81                    | 0.49 12,6                     |
| 5060/30C                 | 30              | 0.032 0,81                    | 0.53 13,5                     |
| 5060/40C                 | 40              | 0.053 1,35                    | 0.64 16,3                     |
| 5060/50C                 | 50              | 0.053 1,35                    | 0.70 17,8                     |

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



Toll Free: 1-800-52 ALPHA • Telephone: 908-925-8000 • Fax: 908-925-6923  
Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433

Web Site: [www.alphawire.com](http://www.alphawire.com)  
Email: [info@alphawire.com](mailto:info@alphawire.com)