

# XTRA•GUARD® 1

## MULTICONDUCTOR, SUPRASHIELD®

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
- **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 E Page 375,  
20 AWG 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

### SPECIFICATIONS

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



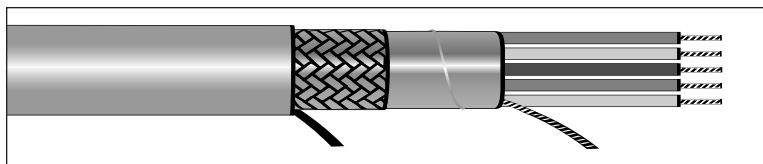
### AVAILABILITY

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

#### 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 |      | Nominal Diameter |      |
|--------------------------|-----------------|------------------|------|------------------|------|
|                          |                 | Inches           | mm   | Inches           | mm   |
| 5112C                    | 2               | 0.032            | 0,81 | 0.18             | 4,6  |
| 5113C                    | 3               | 0.032            | 0,81 | 0.19             | 4,8  |
| 5114C                    | 4               | 0.032            | 0,81 | 0.21             | 5,4  |
| 5116C                    | 6               | 0.032            | 0,81 | 0.23             | 5,9  |
| 5118C                    | 8               | 0.032            | 0,81 | 0.25             | 6,4  |
| 5120C                    | 10              | 0.032            | 0,81 | 0.27             | 6,9  |
| 5120/15C                 | 15              | 0.032            | 0,81 | 0.30             | 7,6  |
| 5120/20C                 | 20              | 0.032            | 0,81 | 0.33             | 8,4  |
| 5120/25C                 | 25              | 0.032            | 0,81 | 0.36             | 9,2  |
| 5120/30C                 | 30              | 0.032            | 0,81 | 0.38             | 9,7  |
| 5120/40C                 | 40              | 0.032            | 0,81 | 0.43             | 10,9 |
| 5120/50C                 | 50              | 0.032            | 0,81 | 0.46             | 11,7 |

**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 |      | Nominal Diameter |      |
|--------------------------|-----------------|------------------|------|------------------|------|
|                          |                 | Inches           | mm   | Inches           | mm   |
| 5102C                    | 2               | 0.032            | 0,81 | 0.20             | 5,0  |
| 5103C                    | 3               | 0.032            | 0,81 | 0.21             | 5,4  |
| 5104C                    | 4               | 0.032            | 0,81 | 0.22             | 5,6  |
| 5106C                    | 6               | 0.032            | 0,81 | 0.25             | 6,4  |
| 5108C                    | 8               | 0.032            | 0,81 | 0.27             | 6,9  |
| 5110C                    | 10              | 0.032            | 0,81 | 0.30             | 7,6  |
| 5110/15C                 | 15              | 0.032            | 0,81 | 0.33             | 8,4  |
| 5110/20C                 | 20              | 0.032            | 0,81 | 0.36             | 9,2  |
| 5110/25C                 | 25              | 0.032            | 0,81 | 0.39             | 9,8  |
| 5110/30C                 | 30              | 0.032            | 0,81 | 0.42             | 10,9 |
| 5110/40C                 | 40              | 0.032            | 0,81 | 0.47             | 11,8 |
| 5110/50C                 | 50              | 0.032            | 0,81 | 0.51             | 12,9 |
| 5110/60C                 | 60              | 0.053            | 1,35 | 0.60             | 15,4 |
| 5110/70C                 | 70              | 0.053            | 1,35 | 0.63             | 16,0 |
| 5110/80C                 | 80              | 0.053            | 1,35 | 0.66             | 16,8 |

**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 |      | Nominal Diameter |      |
|--------------------------|-----------------|------------------|------|------------------|------|
|                          |                 | Inches           | mm   | Inches           | mm   |
| 5152C                    | 2               | 0.032            | 0,81 | 0.23             | 5,9  |
| 5153C                    | 3               | 0.032            | 0,81 | 0.26             | 6,6  |
| 5154C                    | 4               | 0.032            | 0,81 | 0.28             | 7,1  |
| 5156C                    | 6               | 0.032            | 0,81 | 0.32             | 8,0  |
| 5158C                    | 8               | 0.032            | 0,81 | 0.35             | 8,8  |
| 5160C                    | 10              | 0.032            | 0,81 | 0.37             | 9,5  |
| 5160/15C                 | 15              | 0.032            | 0,81 | 0.43             | 10,9 |
| 5160/20C                 | 20              | 0.032            | 0,81 | 0.48             | 12,1 |
| 5160/25C                 | 25              | 0.032            | 0,81 | 0.52             | 13,2 |
| 5160/30C                 | 30              | 0.032            | 0,81 | 0.56             | 14,2 |
| 5160/40C                 | 40              | 0.053            | 1,35 | 0.67             | 17,0 |
| 5160/50C                 | 50              | 0.053            | 1,35 | 0.73             | 18,5 |
| 5160/60C                 | 60              | 0.053            | 1,35 | 0.78             | 19,8 |

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



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