

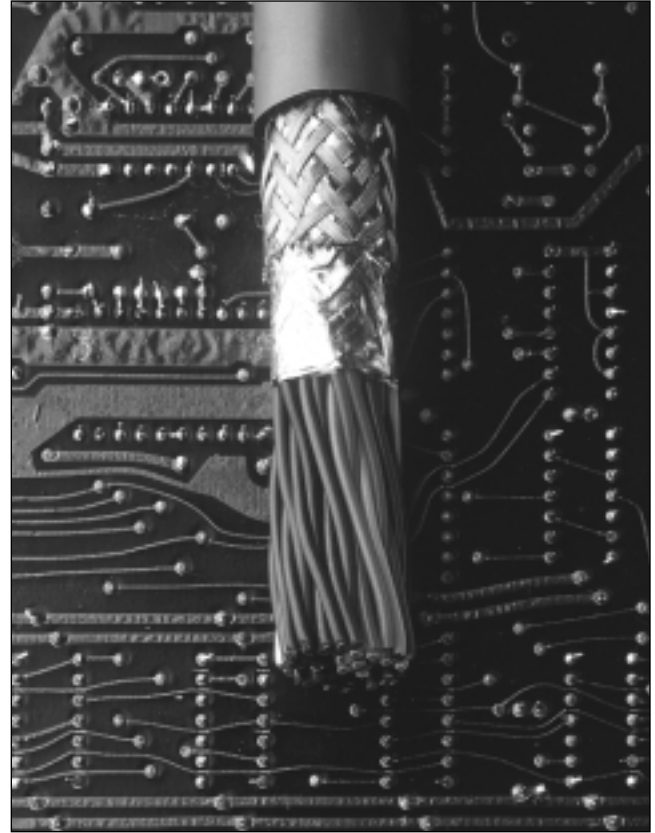
# XTRA•GUARD® 1

## EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

Specify **XTRA•GUARD® 1** for general purpose electronic cable for internal or external wiring of OEM equipment. **XTRA•GUARD® 1** features unsurpassed flame and moisture resistance, fast, easy stripping of insulation and jacket, fully color-coded, tinned copper conductors and premium grade PVC insulation and jacket. **XTRA•GUARD® 1** is available in both 300 Volt and 600 Volt UL and CSA cable styles.

### APPLICATIONS

- EIA RS 232C Interface (Shielded 24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls



### 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)

**UL TYPE CM, AWM 2464**  
**CSA CMG FT4**  
**RoHS COMPLIANT**  
**300 VOLT**

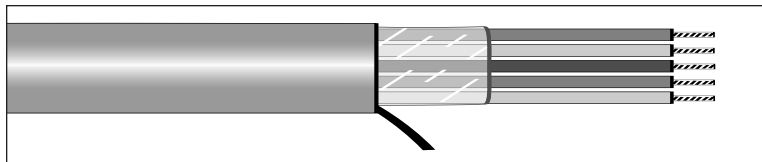
# XTRA•GUARD® 1

## MULTICONDUCTOR, UNSHIELDED

### 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
- 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: 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



Passes  
**UL VW-1 Flame Test**  
 Underwriters Laboratories Inc.



Certified  
 Canadian Standards Association



### 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)

#### 18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

| XTRA•GUARD 1<br>Part No. | No. of<br>Cond. | Jacket Thickness |      | Nominal Diameter |      |
|--------------------------|-----------------|------------------|------|------------------|------|
|                          |                 | Inches           | mm   | Inches           | mm   |
| 5062C, 5062/1C*          | 2               | 0.032            | 0,81 | 0.23             | 5,8  |
| 5063C, 5063/1C*          | 3               | 0.032            | 0,81 | 0.24             | 6,1  |
| 5064C                    | 4               | 0.032            | 0,81 | 0.26             | 6,6  |
| 5066C                    | 6               | 0.032            | 0,81 | 0.31             | 7,9  |
| 5068C                    | 8               | 0.032            | 0,81 | 0.33             | 8,4  |
| 5070C                    | 10              | 0.032            | 0,81 | 0.39             | 9,8  |
| 5070/15C                 | 15              | 0.032            | 0,81 | 0.45             | 11,5 |
| 5070/20C                 | 20              | 0.032            | 0,81 | 0.51             | 12,9 |
| 5070/25C                 | 25              | 0.032            | 0,81 | 0.56             | 14,1 |
| 5070/30C                 | 30              | 0.053            | 1,35 | 0.64             | 16,3 |
| 5070/40C                 | 40              | 0.053            | 1,35 | 0.72             | 18,2 |
| 5070/50C                 | 50              | 0.053            | 1,35 | 0.79             | 20,0 |
| 5070/60C                 | 60              | 0.083            | 2,11 | 0.91             | 23,1 |

#### 16 AWG (1,23mm<sup>2</sup>), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

| XTRA•GUARD 1<br>Part No. | No. of<br>Cond. | Jacket Thickness |      | Nominal Diameter |      |
|--------------------------|-----------------|------------------|------|------------------|------|
|                          |                 | Inches           | mm   | Inches           | mm   |
| 5072C, 5072/1C*          | 2               | 0.032            | 0,81 | 0.26             | 6,5  |
| 5073C, 5073/1C*          | 3               | 0.032            | 0,81 | 0.29             | 7,4  |
| 5074C                    | 4               | 0.032            | 0,81 | 0.32             | 8,1  |
| 5076C                    | 6               | 0.032            | 0,81 | 0.37             | 9,3  |
| 5078C                    | 8               | 0.032            | 0,81 | 0.41             | 10,4 |
| 5080C                    | 10              | 0.032            | 0,81 | 0.44             | 11,3 |
| 5080/15C                 | 15              | 0.032            | 0,81 | 0.52             | 13,2 |
| 5080/20C                 | 20              | 0.053            | 1,35 | 0.63             | 15,9 |
| 5080/25C                 | 25              | 0.053            | 1,35 | 0.68             | 17,3 |
| 5080/30C                 | 30              | 0.053            | 1,35 | 0.73             | 18,6 |
| 5080/40C                 | 40              | 0.083            | 2,11 | 0.88             | 22,5 |
| 5080/50C                 | 50              | 0.083            | 2,11 | 0.96             | 24,5 |

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

# TECHNICAL DATA

## COLOR CODE CHARTS

### MULTICONDUCTOR CABLES

375

CHART D

| No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe | No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe | No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe |
|-----|------------|------------|------------|------------|-----|------------|------------|------------|------------|-----|------------|------------|------------|------------|
| 1   | Black      |            |            |            | 35  | White      | Red        | Red        |            | 69  | White      | Black      | Green      | Blue       |
| 2   | Red        |            |            |            | 36  | White      | Red        | Green      |            | 70  | White      | Black      | Green      | Brown      |
| 3   | White      |            |            |            | 37  | White      | Red        | Blue       |            | 71  | White      | Black      | Green      | Orange     |
| 4   | Green      |            |            |            | 38  | White      | Red        | Brown      |            | 72  | White      | Black      | Green      | Gray       |
| 5   | Orange     |            |            |            | 39  | White      | Red        | Violet     |            | 73  | White      | Black      | Green      | Violet     |
| 6   | Blue       |            |            |            | 40  | White      | Green      | Black      |            | 74  | White      | Black      | Yellow     | Blue       |
| 7   | Brown      |            |            |            | 41  | White      | Green      | Red        |            | 75  | White      | Black      | Yellow     | Brown      |
| 8   | Yellow     |            |            |            | 42  | White      | Green      | Green      |            | 76  | White      | Black      | Yellow     | Orange     |
| 9   | Violet     |            |            |            | 43  | White      | Green      | Blue       |            | 77  | White      | Black      | Yellow     | Gray       |
| 10  | Gray       |            |            |            | 44  | White      | Green      | Brown      |            | 78  | White      | Black      | Yellow     | Violet     |
| 11  | Pink       |            |            |            | 45  | White      | Green      | Violet     |            | 79  | White      | Black      | Blue       | Brown      |
| 12  | Tan        |            |            |            | 46  | White      | Blue       | Black      |            | 80  | White      | Black      | Blue       | Orange     |
| 13  | Red        | Green      |            |            | 47  | White      | Blue       | Red        |            | 81  | White      | Black      | Blue       | Gray       |
| 14  | Red        | Yellow     |            |            | 48  | White      | Blue       | Green      |            | 82  | White      | Black      | Blue       | Violet     |
| 15  | Red        | Black      |            |            | 49  | White      | Blue       | Blue       |            | 83  | White      | Black      | Brown      | Orange     |
| 16  | White      | Black      |            |            | 50  | White      | Blue       | Brown      |            | 84  | White      | Black      | Brown      | Gray       |
| 17  | White      | Red        |            |            | 51  | White      | Blue       | Violet     |            | 85  | White      | Black      | Brown      | Violet     |
| 18  | White      | Green      |            |            | 52  | White      | Brown      | Black      |            | 86  | White      | Black      | Orange     | Gray       |
| 19  | White      | Yellow     |            |            | 53  | White      | Brown      | Red        |            | 87  | White      | Black      | Orange     | Violet     |
| 20  | White      | Blue       |            |            | 54  | White      | Brown      | Green      |            | 88  | White      | Black      | Gray       | Violet     |
| 21  | White      | Brown      |            |            | 55  | White      | Brown      | Blue       |            | 89  | White      | Red        | Black      | Green      |
| 22  | White      | Orange     |            |            | 56  | White      | Brown      | Brown      |            | 90  | White      | Red        | Black      | Yellow     |
| 23  | White      | Gray       |            |            | 57  | White      | Brown      | Violet     |            | 91  | White      | Red        | Black      | Blue       |
| 24  | White      | Violet     |            |            | 58  | White      | Violet     | Red        |            | 92  | White      | Red        | Black      | Brown      |
| 25  | White      | Black      | Red        |            | 59  | White      | Violet     | Green      |            | 93  | White      | Red        | Black      | Orange     |
| 26  | White      | Black      | Green      |            | 60  | White      | Violet     | Blue       |            | 94  | White      | Red        | Black      | Gray       |
| 27  | White      | Black      | Yellow     |            | 61  | White      | Black      | Red        | Green      | 95  | White      | Red        | Black      | Violet     |
| 28  | White      | Black      | Blue       |            | 62  | White      | Black      | Red        | Yellow     | 96  | White      | Red        | Green      | Yellow     |
| 29  | White      | Black      | Brown      |            | 63  | White      | Black      | Red        | Blue       | 97  | White      | Red        | Green      | Blue       |
| 30  | White      | Black      | Orange     |            | 64  | White      | Black      | Red        | Brown      | 98  | White      | Red        | Green      | Brown      |
| 31  | White      | Black      | Gray       |            | 65  | White      | Black      | Red        | Orange     | 99  | White      | Red        | Green      | Orange     |
| 32  | White      | Black      | Violet     |            | 66  | White      | Black      | Red        | Gray       | 100 | White      | Red        | Green      | Gray       |
| 33  | White      | Black      | Black      |            | 67  | White      | Black      | Red        | Violet     |     |            |            |            |            |
| 34  | White      | Red        | Black      |            | 68  | White      | Black      | Green      | Yellow     |     |            |            |            |            |

CHART E

| No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe | No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe | No. | Base Color | 1st Stripe | 2nd Stripe | 3rd Stripe |
|-----|------------|------------|------------|------------|-----|------------|------------|------------|------------|-----|------------|------------|------------|------------|
| 1   | Black      |            |            |            | 35  | White      | Red        | Orange     |            | 69  | White      | Black      | Orange     | Green      |
| 2   | Brown      |            |            |            | 36  | White      | Red        | Yellow     |            | 70  | White      | Black      | Orange     | Blue       |
| 3   | Red        |            |            |            | 37  | White      | Red        | Green      |            | 71  | White      | Black      | Orange     | Violet     |
| 4   | Orange     |            |            |            | 38  | White      | Red        | Blue       |            | 72  | White      | Black      | Orange     | Gray       |
| 5   | Yellow     |            |            |            | 39  | White      | Red        | Violet     |            | 73  | White      | Black      | Yellow     | Green      |
| 6   | Green      |            |            |            | 40  | White      | Red        | Gray       |            | 74  | White      | Black      | Yellow     | Blue       |
| 7   | Blue       |            |            |            | 41  | White      | Orange     | Yellow     |            | 75  | White      | Black      | Yellow     | Violet     |
| 8   | Violet     |            |            |            | 42  | White      | Orange     | Green      |            | 76  | White      | Black      | Yellow     | Gray       |
| 9   | Gray       |            |            |            | 43  | White      | Orange     | Blue       |            | 77  | White      | Black      | Green      | Blue       |
| 10  | White      |            |            |            | 44  | White      | Orange     | Violet     |            | 78  | White      | Black      | Green      | Violet     |
| 11  | White      | Black      |            |            | 45  | White      | Orange     | Gray       |            | 79  | White      | Black      | Green      | Gray       |
| 12  | White      | Brown      |            |            | 46  | White      | Yellow     | Green      |            | 80  | White      | Black      | Blue       | Violet     |
| 13  | White      | Red        |            |            | 47  | White      | Yellow     | Blue       |            | 81  | White      | Black      | Blue       | Gray       |
| 14  | White      | Orange     |            |            | 48  | White      | Yellow     | Violet     |            | 82  | White      | Black      | Violet     | Gray       |
| 15  | White      | Yellow     |            |            | 49  | White      | Yellow     | Gray       |            | 83  | White      | Brown      | Red        | Orange     |
| 16  | White      | Green      |            |            | 50  | White      | Green      | Blue       |            | 84  | White      | Brown      | Red        | Yellow     |
| 17  | White      | Blue       |            |            | 51  | White      | Green      | Violet     |            | 85  | White      | Brown      | Red        | Green      |
| 18  | White      | Violet     |            |            | 52  | White      | Green      | Gray       |            | 86  | White      | Brown      | Red        | Blue       |
| 19  | White      | Gray       |            |            | 53  | White      | Blue       | Violet     |            | 87  | White      | Brown      | Red        | Violet     |
| 20  | White      | Black      | Brown      |            | 54  | White      | Blue       | Gray       |            | 88  | White      | Brown      | Red        | Gray       |
| 21  | White      | Black      | Red        |            | 55  | White      | Violet     | Gray       |            | 89  | White      | Brown      | Orange     | Yellow     |
| 22  | White      | Black      | Orange     |            | 56  | White      | Black      | Brown      | Red        | 90  | White      | Brown      | Orange     | Green      |
| 23  | White      | Black      | Yellow     |            | 57  | White      | Black      | Brown      | Orange     | 91  | White      | Brown      | Orange     | Blue       |
| 24  | White      | Black      | Green      |            | 58  | White      | Black      | Brown      | Yellow     | 92  | White      | Brown      | Orange     | Violet     |
| 25  | White      | Black      | Blue       |            | 59  | White      | Black      | Brown      | Green      | 93  | White      | Brown      | Orange     | Gray       |
| 26  | White      | Black      | Violet     |            | 60  | White      | Black      | Brown      | Blue       | 94  | White      | Brown      | Yellow     | Green      |
| 27  | White      | Black      | Gray       |            | 61  | White      | Black      | Brown      | Violet     | 95  | White      | Brown      | Yellow     | Blue       |
| 28  | White      | Brown      | Red        |            | 62  | White      | Black      | Brown      | Gray       | 96  | White      | Brown      | Yellow     | Violet     |
| 29  | White      | Brown      | Orange     |            | 63  | White      | Black      | Red        | Yellow     | 97  | White      | Brown      | Yellow     | Gray       |
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| 32  | White      | Brown      | Blue       |            | 66  | White      | Black      | Red        | Violet     | 100 | White      | Brown      | Green      | Gray       |
| 33  | White      | Brown      | Violet     |            | 67  | White      | Black      | Red        | Gray       |     |            |            |            |            |
| 34  | White      | Brown      | Gray       |            | 68  | White      | Black      | Orange     | Yellow     |     |            |            |            |            |