

XTRA•GUARD® 2

INDUSTRIAL STRENGTH, EXTRA-RUGGED POLYURETHANE JACKET

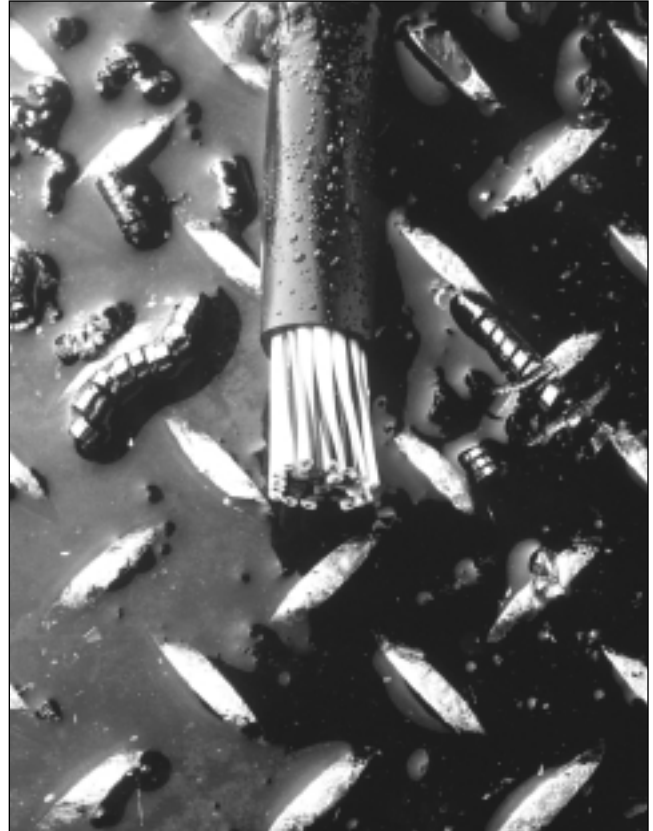
Specify **XTRA•GUARD® 2** for unmatched resistance to oils, fuels, solvents and water; two to three times the tensile, tear and abrasion resistance as compared to conventional PVC cables and in applications requiring ultraviolet light stability and fungus resistance.

XTRA•GUARD® 2 features fully color-coded PVC insulated tinned copper conductors with a specially formulated extra-rugged polyurethane jacket.

XTRA•GUARD® 2 is available in both 300 Volt and 600 Volt UL and CSA cable styles.

APPLICATIONS

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment



FIT® TUBING RECOMMENDATION

FIT®-750 – Bonding Adhesive Lined, Irradiated Polyolefin
(See Page 127 for Product Specifications)

XTRA·GUARD® 2

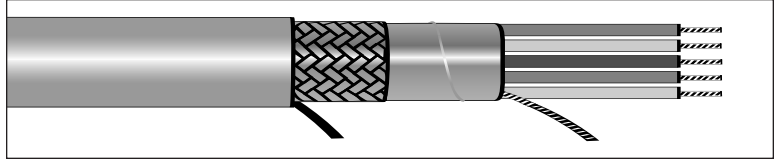
MULTICONDUCTOR, SUPRASHIELD®

EXTRA-RUGGED POLYURETHANE JACKET

UL AWM 20668
CSA AWM I A/B II A/B FT1
RoHS COMPLIANT
300 VOLT

CHOOSE XTRA·GUARD 2 For:

- Now Rated to 90°C!
- Unmatched Resistance to Oils, Fuels, Solvents, and Water
- Twice the Tensile Strength of PVC
- Three Times the Tear and Abrasion Resistance of PVC
- Superior Low-Temperature Flexibility to -20°C
- Ultraviolet Light Stability (jacket color black)
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



XTRA·GUARD 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 90°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

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: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant





Underwriters Laboratories Inc. Underwriters Laboratories Inc. Canadian Standards Association

AVAILABILITY

- ▲ In Stock: 500 ft (152m) and 1000 ft (305m) put-ups, check for jacket color availability
- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

24 AWG (0,23mm²), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

| XTRA·GUARD 2 Part No. | No. of Cond. | Jacket Thickness | | Nominal Diameter | |
|-----------------------|--------------|------------------|------|------------------|------|
| | | Inches | mm | Inches | mm |
| 25112 | 2 | 0.032 | 0,81 | 0.18 | 4,6 |
| 25113 | 3 | 0.032 | 0,81 | 0.19 | 4,8 |
| ▲ 25114 | 4 | 0.032 | 0,81 | 0.21 | 5,4 |
| 25116 | 6 | 0.032 | 0,81 | 0.23 | 5,9 |
| 25118 | 8 | 0.032 | 0,81 | 0.25 | 6,4 |
| 25120 | 10 | 0.032 | 0,81 | 0.27 | 6,9 |
| ▲ 25120/15 | 15 | 0.032 | 0,81 | 0.30 | 7,6 |
| 25120/20 | 20 | 0.032 | 0,81 | 0.33 | 8,4 |
| 25120/25 | 25 | 0.032 | 0,81 | 0.36 | 9,2 |
| 25120/30 | 30 | 0.032 | 0,81 | 0.38 | 9,7 |
| 25120/40 | 40 | 0.032 | 0,81 | 0.43 | 10,9 |
| 25120/50 | 50 | 0.032 | 0,81 | 0.46 | 11,7 |

22 AWG (0,35mm²), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

| XTRA·GUARD 2 Part No. | No. of Cond. | Jacket Thickness | | Nominal Diameter | |
|-----------------------|--------------|------------------|------|------------------|------|
| | | Inches | mm | Inches | mm |
| 25102 | 2 | 0.032 | 0,81 | 0.20 | 5,0 |
| 25103 | 3 | 0.032 | 0,81 | 0.21 | 5,4 |
| 25104 | 4 | 0.032 | 0,81 | 0.22 | 5,6 |
| 25106 | 6 | 0.032 | 0,81 | 0.25 | 6,4 |
| 25108 | 8 | 0.032 | 0,81 | 0.27 | 6,9 |
| 25110 | 10 | 0.032 | 0,81 | 0.30 | 7,6 |
| 25110/15 | 15 | 0.032 | 0,81 | 0.33 | 8,4 |
| 25110/20 | 20 | 0.032 | 0,81 | 0.36 | 9,2 |
| 25110/25 | 25 | 0.032 | 0,81 | 0.39 | 9,8 |
| 25110/30 | 30 | 0.032 | 0,81 | 0.42 | 10,9 |
| 25110/40 | 40 | 0.032 | 0,81 | 0.47 | 11,8 |
| 25110/50 | 50 | 0.032 | 0,81 | 0.51 | 12,9 |

20 AWG (0,56mm²), **7/28** (7x0,32mm), Insulation Thickness: **0.017"** (0,43mm)

| XTRA·GUARD 2 Part No. | No. of Cond. | Jacket Thickness | | Nominal Diameter | |
|-----------------------|--------------|------------------|------|------------------|------|
| | | Inches | mm | Inches | mm |
| 25152 | 2 | 0.032 | 0,81 | 0.23 | 5,9 |
| ▲ 25153 | 3 | 0.032 | 0,81 | 0.26 | 6,6 |
| ▲ 25154 | 4 | 0.032 | 0,81 | 0.28 | 7,1 |
| 25156 | 6 | 0.032 | 0,81 | 0.32 | 8,0 |
| 25158 | 8 | 0.032 | 0,81 | 0.35 | 8,8 |
| 25160 | 10 | 0.032 | 0,81 | 0.37 | 9,5 |
| 25160/15 | 15 | 0.032 | 0,81 | 0.43 | 10,9 |
| 25160/20 | 20 | 0.032 | 0,81 | 0.48 | 12,1 |
| 25160/25 | 25 | 0.032 | 0,81 | 0.52 | 13,2 |
| 25160/30 | 30 | 0.032 | 0,81 | 0.56 | 14,2 |
| 25160/40 | 40 | 0.053 | 1,35 | 0.67 | 17,0 |
| 25160/50 | 50 | 0.053 | 1,35 | 0.73 | 18,5 |

FIT® TUBING RECOMMENDATION

FIT®-750 – Bonding Adhesive Lined, Irradiated Polyolefin (See Page 127 for Product Specifications)

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 |
| 30 | White | Brown | Yellow | | 64 | White | Black | Red | Green | 98 | White | Brown | Green | Blue |
| 31 | White | Brown | Green | | 65 | White | Black | Red | Blue | 99 | White | Brown | Green | Violet |
| 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 | | | | | |