



**Xtreme Performance for Xtreme Environments**

**Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels**

**Xtreme Performance Benefits:**

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors



**XTRA-GUARD<sup>®</sup> 2 APPLICATIONS:**

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- 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: 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
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Specially Formulated Polyurethane
- Nylon Rip Cord for Ease of Jacket Stripping

**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

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

| Alpha Part No. | No. of Cond. | Jacket Thickness |      | Nominal Diameter |       |
|----------------|--------------|------------------|------|------------------|-------|
|                |              | Inches           | mm   | Inches           | mm    |
| 25092          | 2            | 0.032            | 0.81 | 0.160            | 4.06  |
| 25093          | 3            | 0.032            | 0.81 | 0.167            | 4.24  |
| 25094          | 4            | 0.032            | 0.81 | 0.179            | 4.55  |
| 25096          | 6            | 0.032            | 0.81 | 0.205            | 5.21  |
| 25098          | 8            | 0.032            | 0.81 | 0.219            | 5.56  |
| 25100          | 10           | 0.032            | 0.81 | 0.248            | 6.30  |
| 25100/15       | 15           | 0.032            | 0.81 | 0.275            | 6.98  |
| 25100/20       | 20           | 0.032            | 0.81 | 0.304            | 7.72  |
| 25100/25       | 25           | 0.032            | 0.81 | 0.336            | 8.53  |
| 25100/50       | 50           | 0.032            | 0.81 | 0.433            | 11.00 |

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

| Alpha Part No. | No. of Cond. | Jacket Thickness |      | Nominal Diameter |       |
|----------------|--------------|------------------|------|------------------|-------|
|                |              | Inches           | mm   | Inches           | mm    |
| 25192          | 2            | 0.032            | 0.81 | 0.172            | 4.37  |
| 25193          | 3            | 0.032            | 0.81 | 0.180            | 4.57  |
| 25194          | 4            | 0.032            | 0.81 | 0.193            | 4.90  |
| 25196          | 6            | 0.032            | 0.81 | 0.223            | 5.66  |
| 25198          | 8            | 0.032            | 0.81 | 0.239            | 6.07  |
| 25199/10       | 10           | 0.032            | 0.81 | 0.272            | 6.91  |
| 25199/15       | 15           | 0.032            | 0.81 | 0.303            | 7.70  |
| 25199/20       | 20           | 0.032            | 0.81 | 0.335            | 8.51  |
| 25199/25       | 25           | 0.032            | 0.81 | 0.372            | 9.45  |
| 25199/30       | 30           | 0.032            | 0.81 | 0.393            | 9.98  |
| 25199/40       | 40           | 0.032            | 0.81 | 0.438            | 11.13 |
| 25199/50       | 50           | 0.032            | 0.81 | 0.482            | 12.24 |

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

| Alpha Part No. | No. of Cond. | Jacket Thickness |      | Nominal Diameter |       |
|----------------|--------------|------------------|------|------------------|-------|
|                |              | Inches           | mm   | Inches           | mm    |
| 25462          | 2            | 0.032            | 0.81 | 0.212            | 5.38  |
| 25463          | 3            | 0.032            | 0.81 | 0.223            | 5.66  |
| 25464          | 4            | 0.032            | 0.81 | 0.242            | 6.15  |
| 25466          | 6            | 0.032            | 0.81 | 0.284            | 7.21  |
| 25468          | 8            | 0.032            | 0.81 | 0.306            | 7.77  |
| 25470          | 10           | 0.032            | 0.81 | 0.352            | 8.94  |
| 25470/15       | 15           | 0.032            | 0.81 | 0.395            | 10.03 |
| 25470/20       | 20           | 0.032            | 0.81 | 0.441            | 11.20 |
| 25470/25       | 25           | 0.032            | 0.81 | 0.492            | 12.50 |
| 25470/30       | 30           | 0.032            | 0.81 | 0.521            | 13.23 |
| 25470/40       | 40           | 0.053            | 1.35 | 0.626            | 15.90 |
| 25470/50       | 50           | 0.053            | 1.35 | 0.688            | 17.48 |



**AVAILABILITY**

- Many 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

**FIT<sup>®</sup> TUBING RECOMMENDATION**

**FIT<sup>®</sup> -750** - Bonding Adhesive-Lined Irradiated Polyolefin  
(See Page 127 for Product Specifications)

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