



**Alpha Wire Company**

711 Lidgerwood Avenue  
Elizabeth, NJ 07207  
Tel: 908-925-8000  
Fax: 908-925-6923

**Product Specification: 3505 - 3520**

**Date Issued: 6/13/01**

**Product Description:** Color coded PVC insulated Hook-Up wire, bonded flat, MIL-W-16878D Type C, UL AWM Style 2555.

**Note:** All dimensions are in inches unless otherwise specified.

**Construction Requirements**

**Conductor Data:**

|                      |               |
|----------------------|---------------|
| Material             | Tinned Copper |
| Gauge, AWG           | 22            |
| Stranding, No. / AWG | 7/30          |
| Number of Conductors | Table 1       |

**Insulation Data:**

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Material               | Polyvinylchloride                                                      |
| Nominal Wall Thickness | 0.016                                                                  |
| Width x Thickness      | Table 1                                                                |
| Color Code             | Brown, Red, Orange, Yellow, Green<br>Blue, Violet, Slate, White, Black |

**Finished Product Requirements:**

|                   |                       |
|-------------------|-----------------------|
| Flame Test        | VW-1                  |
| Temperature Range | 105° - MIL, 80°C - UL |
| MIL-W-16878D      | Type C                |
| Voltage Rating    | 1000 - MIL, 300 - UL  |
| UL STYLE          | 2555                  |

**Availability:**

100 ft. and 1000 ft. Put-ups.

**Table 1**

| <b><u>Part Number</u></b> | <b><u>No. of Conductors</u></b> | <b>Diameter</b>                 |
|---------------------------|---------------------------------|---------------------------------|
|                           |                                 | <b><u>Width x Thickness</u></b> |
| 3505                      | 5                               | 0.320 x 0.065                   |
| 3510                      | 10                              | 0.640 x 0.065                   |
| 3515                      | 15                              | 0.960 x 0.065                   |
| 3520                      | 20                              | 1.290 x 0.065                   |