

Part Number: C0431A

Revision Level: 4

Date: 7/25/2007

**2C 22 7/30 TC PVC PVC**

**COMMUNICATION CABLE**

### A. CONSTRUCTION

### DIAMETERS

|               |                                                                                                             |                  |
|---------------|-------------------------------------------------------------------------------------------------------------|------------------|
| Conductor:    | #22 AWG 7/30 Tinned Copper                                                                                  | 0.030" nom.      |
| Insulation:   | 0.013" Wall Polyvinyl Chloride                                                                              | 0.056" nom.      |
| Cable:        | 2 conductors with mylar tape wrap.                                                                          | 0.116" nom.      |
| Jacket:       | 0.037" Wall Polyvinyl Chloride                                                                              | 0.190" +/- 0.01" |
| Print Legend: | <b>CAROL (R) 22 AWG -- C0431A -- 105C TYPE PLTC 300V E60233-8 (UL) -- MADE IN USA</b><br><b>(DATE CODE)</b> |                  |

### B. INDUSTRY APPROVALS

|                          |             |
|--------------------------|-------------|
| National Electrical Code | Article 725 |
| UL Standard 13           | Type PLTC   |

### C. ELECTRICAL PROPERTIES

|                                                |                       |
|------------------------------------------------|-----------------------|
| TEMPERATURE:                                   | 105 C                 |
| SUGGESTED WORKING VOLTAGE (V <sub>rms</sub> ): | 300V <sub>rms</sub>   |
| CONDUCTOR D.C. RESISTANCE:                     | 16.6 Ohms/1000 ft nom |
| MUTUAL CAPACITANCE:                            | 27.5 pF/ft @ 1kHz nom |

### D. COLOR CODE (Listed as Individual Conductors or Pairs of Conductors)

|   |       |
|---|-------|
| 1 | Black |
| 2 | Red   |