

Part Number: C1646A

Revision Level: 3

Date: 9/18/2007

**6C 20 26/34 TC PE OAS PVC**

**COMMUNICATION CABLE**

### A. CONSTRUCTION

### DIAMETERS

|               |                                                                                                        |                   |
|---------------|--------------------------------------------------------------------------------------------------------|-------------------|
| Conductor:    | #20 AWG 26/34 Tinned Copper                                                                            | 0.038" nom.       |
| Insulation:   | 0.015" Wall Polyethylene                                                                               | 0.068" nom.       |
| Cable:        | 6 conductors @ 3.00" LHL with nylon filler and mylar wrap.                                             | 0.208" nom.       |
| Braid         | #34 AWG Tinned Copper<br>80% Min. coverage                                                             | 0.236" nom.       |
| Jacket:       | 0.029" Wall Polyvinyl Chloride                                                                         | 0.294" +/- 0.015" |
| Print Legend: | <b>CAROL (R) 20 AWG -- C1646A -- 75C E111240-8 CM (UL) C (UL) CMH OR AWM STYLE 2094 -- MADE IN USA</b> |                   |

### B. INDUSTRY APPROVALS

|                          |                         |
|--------------------------|-------------------------|
| National Electrical Code | Article 800             |
| UL Standard 444          | Type CM (UL) C (UL) CMH |
| UL Standard 444          | AWM Style 2094          |

### C. ELECTRICAL PROPERTIES

|                                                |                       |
|------------------------------------------------|-----------------------|
| TEMPERATURE:                                   | 60 C                  |
| SUGGESTED WORKING VOLTAGE (V <sub>rms</sub> ): | 300V <sub>rms</sub>   |
| CONDUCTOR D.C. RESISTANCE:                     | 11.3 Ohms/1000 ft nom |
| MUTUAL CAPACITANCE:                            | 20 pF/ft @ 1kHz nom   |
| GROUND CAPACITANCE:                            | 36 pF/ft @ 1kHz nom   |

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

|   |        |
|---|--------|
| 1 | Black  |
| 2 | White  |
| 3 | Red    |
| 4 | Green  |
| 5 | Yellow |
| 6 | Blue   |