

Part Number: C0455A

Revision Level: 4

Date: 8/2/2007

**3C 18 16/30 TC PVC OAS PVC**

**COMMUNICATION CABLE**

**A. CONSTRUCTION**

**DIAMETERS**

|               |   |                   |
|---------------|---|-------------------|
| Conductor:    | #18 AWG 16/30 Tinned Copper   | 0.047" nom.       |
| Insulation:   | 0.015" Wall Polyvinyl Chloride  | 0.074" nom.       |
| Cable:        | 3 conductors @ 2.50" LHL with alum./polyester<br>(foil out) & #22 AWG 7/30 TC drain wire.             | 0.164" nom.       |
| Jacket:       | 0.037" Wall Polyvinyl Chloride  | 0.238" +/- 0.012" |
| Print Legend: | <b>CAROL (R) 18 AWG -- C0455A -- 105C TYPE PLTC 300V E60233-8 (UL) -- MADE IN USA<br/>(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 (Vrms): | 300Vrms               |
| CONDUCTOR D.C. RESISTANCE:        | 7.2 Ohms/1000 ft nom  |
| MUTUAL CAPACITANCE:               | 46.5 pF/ft @ 1kHz nom |
| GROUND CAPACITANCE:               | 83.5 pF/ft @ 1kHz nom |

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

|   |       |
|---|-------|
| 1 | Black |
| 2 | Red   |
| 3 | White |