

Part Number: C0497

Revision Level: 1

Date: 10/26/2007

**4C 12 SOLID BC PP OAS PVC**
**Fire Alarm/Life Safety Cable**
**A. CONSTRUCTION**
**DIAMETERS**

|               |                                                                                                                              |                   |
|---------------|------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Conductor:    | #12 AWG Solid Bare Copper                                                                                                    | 0.081" nom.       |
| Insulation:   | 0.020" Wall Polypropylene                                                                                                    | 0.121" nom.       |
| Cable:        | 4C @ 3.50" LHL with mylar wrap, AL / PE & # 22 7/30 TC DW                                                                    | 0.297" nom.       |
| Jacket:       | 0.020" Wall Polyvinyl Chloride – Red                                                                                         | 0.337" +/- 0.017" |
| Print Legend: | <b>CAROL (R) 12 AWG - - C0497A - -TYPE FPL E66267-8 (UL)- - MADE IN USA (DATE CODE &amp; SEQUENTIAL FOOTAGE 1000' TO 0')</b> |                   |

**B. INDUSTRY APPROVALS**

 National Electrical Code  
 UL Standard 1424

 Article 760  
 Type FPL

**C. ELECTRICAL PROPERTIES**

|                                                |                        |
|------------------------------------------------|------------------------|
| TEMPERATURE:                                   | 60C                    |
| SUGGESTED WORKING VOLTAGE (V <sub>rms</sub> ): | 300V                   |
| CONDUCTOR D.C. RESISTANCE:                     | 1.6 Ohms/1000 ft nom   |
| SHIELD RESISTANCE:                             | 4.2 Ohms/1000 ft nom   |
| MUTUAL CAPACITANCE:                            | 28.73 pF/ft @ 1kHz nom |
| GROUND CAPACITANCE:                            | 51.71 pF/ft @ 1kHz nom |
| CHARACTERISTIC IMPEDANCE:                      | 51.9 Ohms @ 1MHz nom   |

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

|   |       |
|---|-------|
| 1 | Black |
| 2 | Red   |
| 3 | Brown |
| 4 | Blue  |