

Part Number: E2502S

Revision Level: 9

Date: 9/26/2008

### 2C 18 SOLID BC SRPVC OAS PVC

### Fire Alarm/Life Safety Cable

#### A. CONSTRUCTION

#### DIAMETERS

|               |                                                                                                                                       |                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Conductor:    | #18 AWG Solid Bare Copper                                                                                                             | 0.040" nom.       |
| Insulation:   | 0.010" Wall Semi Rigid Polyvinyl Chloride                                                                                             | 0.060" nom.       |
| Cable:        | 2C @ 2.25" LHL with mylar wrap, AL / PE & # 22 7/30 TC DW                                                                             | 0.128" nom.       |
| Jacket:       | 0.015" Wall Polyvinyl Chloride - Red                                                                                                  | 0.158" +/- 0.008" |
| Print Legend: | <b>CAROL A (R) 18 AWG - - E2502S - - TYPE FPLR 75C 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 FPLR

#### C. ELECTRICAL PROPERTIES

|                                                |                        |
|------------------------------------------------|------------------------|
| TEMPERATURE:                                   | 75C                    |
| SUGGESTED WORKING VOLTAGE (V <sub>rms</sub> ): | 300V                   |
| CONDUCTOR D.C. RESISTANCE:                     | 6.4 Ohms/1000 ft nom   |
| SHIELD RESISTANCE:                             | 6.2 Ohms/1000 ft nom   |
| MUTUAL CAPACITANCE:                            | 51.9 pF/ft @ 1kHz nom  |
| GROUND CAPACITANCE:                            | 93.42 pF/ft @ 1kHz nom |
| CHARACTERISTIC IMPEDANCE:                      | 37.1 Ohms @ 1MHz nom   |

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

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