

Part Number: C6046A

Revision Level: 0

Date: 10/25/2007

**27SP 22 7/30 TC PE PVC**

**Computer Cable**

### A. CONSTRUCTION

|               |                                                                                                                                                                   |                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Conductor:    | #22 AWG 7/30 Tinned Copper                                                                                                                                        | 0.030" nom.       |
| Insulation:   | 0.011" Wall Linear Low-Density Polyethylene                                                                                                                       | 0.052" nom.       |
| Pairing       | 2 conductors @ 2.00" LHL                                                                                                                                          | 0.113" nom.       |
| Cable:        | 27P with mylar wrap, #24 AWG 7/32 TC DW & AL / PE tape.                                                                                                           | 0.600" nom.       |
| Jacket:       | 0.048" Wall Polyvinyl Chloride – Gray                                                                                                                             | 0.696" +/- 0.035" |
| Print Legend: | <b>CAROL (R) 22 AWG - - C6046A - - 75C E111240-8 CM (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE - - - CSA LL69381 CMH - - MADE IN USA (DATE CODE)</b> |                   |

### DIAMETERS

### B. INDUSTRY APPROVALS

CSA International  
UL Subject 758

Type CMH  
AWM Style 2919

### C. ELECTRICAL PROPERTIES

|                                   |                        |
|-----------------------------------|------------------------|
| TEMPERATURE:                      | 80C                    |
| SUGGESTED WORKING VOLTAGE (Vrms): | 30V                    |
| CONDUCTOR D.C. RESISTANCE:        | 15 Ohms/1000 ft nom    |
| SHIELD RESISTANCE:                | 11.3 Ohms/1000 ft nom  |
| MUTUAL CAPACITANCE:               | 24.17 pF/ft @ 1kHz nom |
| GROUND CAPACITANCE:               | 43.51 pF/ft @ 1kHz nom |
| CHARACTERISTIC IMPEDANCE:         | 63.9 Ohms @ 1MHz nom   |

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

|    |                |    |                |    |                |
|----|----------------|----|----------------|----|----------------|
| 1  | Black & Red    | 11 | Red & Yellow   | 21 | White & Brown  |
| 2  | Black & White  | 12 | Red & Brown    | 22 | White & Orange |
| 3  | Black & Green  | 13 | Red & Orange   | 23 | Blue & Yellow  |
| 4  | Black & Blue   | 14 | Green & White  | 24 | Blue & Brown   |
| 5  | Black & Yellow | 15 | Green & Blue   | 25 | Blue & Orange  |
| 6  | Black & Brown  | 16 | Green & Yellow | 26 | Brown & Yellow |
| 7  | Black & Orange | 17 | Green & Brown  | 27 | Brown & Orange |
| 8  | Red & White    | 18 | Green & Orange |    |                |
| 9  | Red & Green    | 19 | White & Blue   |    |                |
| 10 | Red & Blue     | 20 | White & Yellow |    |                |