

Part Number: C0612A

Revision Level: 00

Date: June 17, 2005

## 25P 24 7/32 TC SR-PVC OAS PVC

## COMPUTER CABLE

### A. CONSTRUCTION

### DIAMETERS

- |                 |                  |  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
|-----------------|------------------|--|-------------------|--------------|------------------|----------------|----------------|----------------|----------------|---------------|------------------|---------------|----------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|-----------------|-----------------|------------------|----------------|--------------|-----------------|-----------------|--------------|--|--|--|
| 1)              | CONDUCTOR:       | #24 AWG 7/32 Tinned Copper   | 0.024" nom.       |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 2)              | INSULATION:      | 0.010" Wall Semi-Rigid Polyvinyl Chloride  | 0.044" nom.       |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 3)              | PAIRING:         | 50 conductors into 25 pairs @ 2.00" LHL.   | 0.088" nom.       |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 4)              | COLOR CODE:      | <table border="0" style="width: 100%;"> <tr> <td>1. Black-Red</td> <td>10. Red-Blue</td> <td>18. Green-Orange</td> </tr> <tr> <td>2. Black-White</td> <td>11. Red-Yellow</td> <td>19. White-Blue</td> </tr> <tr> <td>3. Black-Green</td> <td>12. Red-Brown</td> <td>20. White-Yellow</td> </tr> <tr> <td>4. Black-Blue</td> <td>13. Red-Orange</td> <td>21. White-Brown</td> </tr> <tr> <td>5. Black-Yellow</td> <td>14. Green-White</td> <td>22. White-Orange</td> </tr> <tr> <td>6. Black-Brown</td> <td>15. Green-Blue</td> <td>23. Blue-Yellow</td> </tr> <tr> <td>7. Black-Orange</td> <td>16. Green-Yellow</td> <td>24. Blue-Brown</td> </tr> <tr> <td>8. White-Red</td> <td>17. Green-Brown</td> <td>25. Blue-Orange</td> </tr> <tr> <td>9. Red-Green</td> <td></td> <td></td> </tr> </table> | 1. Black-Red      | 10. Red-Blue | 18. Green-Orange | 2. Black-White | 11. Red-Yellow | 19. White-Blue | 3. Black-Green | 12. Red-Brown | 20. White-Yellow | 4. Black-Blue | 13. Red-Orange | 21. White-Brown | 5. Black-Yellow | 14. Green-White | 22. White-Orange | 6. Black-Brown | 15. Green-Blue | 23. Blue-Yellow | 7. Black-Orange | 16. Green-Yellow | 24. Blue-Brown | 8. White-Red | 17. Green-Brown | 25. Blue-Orange | 9. Red-Green |  |  |  |
| 1. Black-Red    | 10. Red-Blue     | 18. Green-Orange   |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 2. Black-White  | 11. Red-Yellow   | 19. White-Blue   |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 3. Black-Green  | 12. Red-Brown    | 20. White-Yellow   |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 4. Black-Blue   | 13. Red-Orange   | 21. White-Brown  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 5. Black-Yellow | 14. Green-White  | 22. White-Orange   |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 6. Black-Brown  | 15. Green-Blue   | 23. Blue-Yellow  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 7. Black-Orange | 16. Green-Yellow | 24. Blue-Brown   |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 8. White-Red    | 17. Green-Brown  | 25. Blue-Orange  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 9. Red-Green    |                  |  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 5)              | CABLE:           | 25 pairs @ 6.00" LHL with aluminum/polypropylene tape (foil out) & #24 AWG 7/32 TC drain wire.   | 0.441" nom.       |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 6)              | JACKET:          | 0.032" Wall Polyvinyl Chloride - Gray  | 0.505" +/- 0.025" |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |
| 7)              | PRINT LEGEND:    | <b><i>CAROL (R) 24 AWG -- C0612A -- 75C E111240-8 CMR(UL)C(UL) OR 80C AWM STYLE 2464300V --- CSA LL69381 CMG --- MADE IN USA (DATE CODE) --- (PRINT EVERY 3 FEET)</i></b>  |                   |              |                  |                |                |                |                |               |                  |               |                |                 |                 |                 |                  |                |                |                 |                 |                  |                |              |                 |                 |              |  |  |  |

### B. INDUSTRY APPROVALS

UL Standard 444	Type CMR(UL)C(UL)
National Electrical Code	Article 800
UL Standard 758	AWM Style 2464
CSA International	Type CMG

### C. ELECTRICAL PROPERTIES

- |    |                                   |                                |
|----|-----------------------------------|--------------------------------|
| 1) | TEMPERATURE:                      | 80 C                           |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | 300 Vrms                       |
| 3) | CONDUCTOR D.C. RESISTANCE:        | 25.7 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE:                | 7.2 Ohms/1000 ft. nom. @ 20 C  |
| 5) | MUTUAL CAPACITANCE:               | 23.7 pF/ft. @ 1kHz nom.        |
| 6) | GROUND CAPACITANCE:               | 42.7 pF/ft. @ 1kHz nom.        |
| 7) | CHARACTERISTIC IMPEDANCE:         | 81.2 Ohms @ 1 MHz nom.         |

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.