

Part Number: C0730A

Revision Level: 00

Date: June 21, 2005

27P 22 7/30 TC SRPVC OAS PVC

COMPUTER CABLE

A. CONSTRUCTION

DIAMETERS

- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|---|-------------------|-----------------|----------------|----------------|----------------|------------------|---------------|-----------------|-----------------|------------------|----------------|----------------|-----------------|------------------|--------------|-----------------|--------------|------------------|--------------|-----------------|----------------|----------------|---------------|-----------------|----------------|------------------|--|------------------|--|
| 1) | CONDUCTOR: | #22 AWG 7/30 Tinned Copper | 0.030" nom. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2) | INSULATION: | 0.010" Wall Semi-Rigid Polyvinyl Chloride | 0.050 "nom. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3) | COLOR CODE: | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">1. Black-Red</td> <td style="width: 50%;">14. Green-White</td> </tr> <tr> <td>2. Black-White</td> <td>15. Green-Blue</td> </tr> <tr> <td>3. Black-Green</td> <td>16. Green-Yellow</td> </tr> <tr> <td>4. Black-Blue</td> <td>17. Green-Brown</td> </tr> <tr> <td>5. Black-Yellow</td> <td>18. Green-Orange</td> </tr> <tr> <td>6. Black-Brown</td> <td>19. White-Blue</td> </tr> <tr> <td>7. Black-Orange</td> <td>20. White-Yellow</td> </tr> <tr> <td>8. Red-White</td> <td>21. White-Brown</td> </tr> <tr> <td>9. Red-Green</td> <td>22. White-Orange</td> </tr> <tr> <td>10. Red-Blue</td> <td>23. Blue-Yellow</td> </tr> <tr> <td>11. Red-Yellow</td> <td>24. Blue-Brown</td> </tr> <tr> <td>12. Red-Brown</td> <td>25. Blue-Orange</td> </tr> <tr> <td>13. Red-Orange</td> <td>26. Brown-Yellow</td> </tr> <tr> <td></td> <td>27. Brown-Orange</td> </tr> </table> | 1. Black-Red | 14. Green-White | 2. Black-White | 15. Green-Blue | 3. Black-Green | 16. Green-Yellow | 4. Black-Blue | 17. Green-Brown | 5. Black-Yellow | 18. Green-Orange | 6. Black-Brown | 19. White-Blue | 7. Black-Orange | 20. White-Yellow | 8. Red-White | 21. White-Brown | 9. Red-Green | 22. White-Orange | 10. Red-Blue | 23. Blue-Yellow | 11. Red-Yellow | 24. Blue-Brown | 12. Red-Brown | 25. Blue-Orange | 13. Red-Orange | 26. Brown-Yellow | | 27. Brown-Orange | |
| 1. Black-Red | 14. Green-White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Black-White | 15. Green-Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Black-Green | 16. Green-Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5. Black-Yellow | 18. Green-Orange | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 8. Red-White | 21. White-Brown | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 13. Red-Orange | 26. Brown-Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 27. Brown-Orange | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4) | TWINNING: | 54 Conductors into 27 Pairs @ 2.00" LHL | 0.100" nom. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5) | CABLE: | 27 Pairs @ 7.00" LHL with aluminum/polyester (foil out) & # 22 7/30 TC drain wire. | 0.541" nom. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6) | JACKET: | 0.032" Wall Polyvinyl Chloride – Gray | 0.605" +/- 0.023" | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7) | PRINT LEGEND: | CAROL (R) 22 AWG - - 75C E111240-8 CM (UL) C (UL) OR AWM STYLE 2464 - - CSA LL69381 CMG - - MADE IN USA (DATE CODE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

B. INDUSTRY APPROVALS

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

C. ELECTRICAL PROPERTIES

- | | | |
|----|-----------------------------------|--------------------------------|
| 1) | TEMPERATURE: | 75 C |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | 300Vrms |
| 3) | CONDUCTOR D.C. RESISTANCE: | 16.6 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 6.24 Ohms/1000 ft. nom. @ 20 C |
| 5) | MUTUAL CAPACITANCE: | 26 pF/ft. @ 1kHz nom. |
| 6) | GROUND CAPACITANCE: | 46 pF/ft. @ 1kHz nom. |
| 7) | CHARACTERISTIC IMPEDANCE: | 76 Ohms @ 1 MHz nom. |

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