

9844 Paired - Low Capacitance EIA RS-485



### **Description:**

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, polyethylene insulated, overall 100% Beldfoil® shield plus a 90% tinned copper braid shield, 24 AWG (7x32) tinned copper drain wire, PVC jacket.

## PHYSICAL CHARACTERISTICS:

### CONDUCTOR:

| Number of Pairs                  | 4                           |         |       |              |                           |
|----------------------------------|-----------------------------|---------|-------|--------------|---------------------------|
| Total Number of Conductors       | 8                           |         |       |              |                           |
| AWG                              | 24                          |         |       |              |                           |
| Stranding                        | 7x32                        |         |       |              |                           |
| Conductor Material               | TC - Tinn                   | ed Copp | per   |              |                           |
| INSULATION:                      |                             |         |       |              |                           |
| Insulation Material              | PE - Polye                  | thylene | 2     |              |                           |
| Lay Length :                     |                             |         |       |              |                           |
| Lay Length (in.)                 | Direction                   |         |       | Twists/ft (t | twist/ft)                 |
| 1.0                              | Left Hand Lay               |         |       | 12           |                           |
| Twists/ft.                       | 12                          |         |       |              |                           |
| Pair Color Code Chart :          |                             |         |       |              |                           |
| Number                           | Color                       | Nu      | ımber |              | Color                     |
| 1                                | White/Blue & Blue/White     | 3       |       |              | White/Green & Green/White |
| 2                                | White/Orange & Orange/White | 4       |       |              | White/Brown & Brown/White |
| OUTER SHIELD:                    |                             |         |       |              |                           |
| Outer Shield Material Trade Name | Beldfoil®                   |         |       |              |                           |
| Outer Shield Type                | Tape/Brai                   | 1       |       |              |                           |
| Outer Shield Material :          |                             |         |       |              |                           |
|                                  |                             |         |       |              |                           |

| Layer Number | Material Trade Name | Туре  | Material                        | % Coverage (%) |
|--------------|---------------------|-------|---------------------------------|----------------|
| 1            | Beldfoil®           | Таре  | Aluminum Foil-Polyester<br>Tape | 100            |
| 2            |                     | Braid | TC - Tinned Copper              | 90             |



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| Duer Shield Drain Wire AWG24Duter Shield Drain Wire Stranding7x32Duter Shield Drain Wire Conductor MaterialTC - Tinned CopperOUTER JACKET:Duter Jacket MaterialPVC - Polyvinyl ChlorideOVERALL NOMINAL DIAMETER:Doter Jacket MaterialPVC - Polyvinyl ChlorideOVERALL NOMINAL DIAMETER:Doter Jacket Material90 in.OVERALL NOMINAL DIAMETER:Overall Diameter-30°C To +80°COUTER Strander Range-30°C To +80°COUTER Strander RangeOUTER Strander Range <td colspa<="" th=""><th></th><th></th></td>   | <th></th> <th></th>                             |                                |  |
|---|---|--------------------------------|--|
| Duter Shield Drain Wire Stranding7x32Duter Shield Drain Wire Conductor MaterialTC - Tinned CopperOUTER JACKET:Duter Jacket MaterialPVC - Polyvinyl ChlorideOVERALL NOMINAL DIAMETER:Doter Jacket Material80°0 in.OVERALL NOMINAL DIAMETER:Doter Jacket Material30°0 in.OVERALL NOMINAL DIAMETER:Doter Jacket Material30°C To +80°COUTER JACKET ENSTICE:Doter Jacket Material30°C To +80°COUTER JACKET ENSTICE:Doter Jacket Material30°C To +80°COUTER JACKET ENSTICE:Date Main Standing Tension30°C To +80°CMERCHABLE SPECIFICATIONS AND AGENC ULAWM Style 2919)AMEL CABLE SPECIFICATIONS AND AGENC UNLINECOLSPANCINGENCOLSPANCINGENDIECULIS ESTADACHSNEC(UL) SpecificationCMCOLCUL, SpecificationCMCOLCUL, SpecificationCMOUTENTINE:Plenum (Y/N)NPlenum (Y/N)NPlenum (Y/N)NColspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Non. Characteristic Impedance12 NorficNon. Characteristic Impedance12 Norf   | OUTER SHIELD DRAIN WIRE :                       |                                |  |
| Duter Shield Drain Wire Conductor MaterialTC - Tinned CopperOUTER JACKET:Duter Jacket MaterialPVC - Polyvinyl ChlorideOVERALL NOMINAL DIAMETER:Overall Nominal Diameter.390 in.OVERALL NOMINAL DIAMETER:Overall Nominal Diameter.390 in.OVERALL NOMINAL DIAMETER:Overall Nominal Diameter.390 in.Overall Nominal Diameter.390 CT 0 + 80°COVERALL NOMENECTERISTICS:Operating Temperature Range.30°C TO + 80°COUL AWM Style 2919)Bulk Cable Weight81.7 Ibs/1000 ft.Max. Recommended Pulling Tension110 Ibs.Min. Bend Radius (Instatil)4 in.OPERCIFICATIONS AND AGENC/ VEPLIANCE:PAPLICABLE STANDARDS:VEPLICABLE STANDARDS:VEPLICABLE STANDARDS:VERCI(UL) SpecificationCMCOCCU(U.) SpecificationCMCOCCU(U.) SpecificationCMCOLUCU SpecificationCMDIAGNETICE:VERCIFICAT CHARCTERISTICS:VERCIFICAT CHARCTERISTICS:Non. Characteristic Impedance120 OhmsOnes Conductor to Conductor @ I KHZ12.8 P/ftNom. Characteristic Impedance12.8 P/ftNom. Characteristic Impedance16.9 G/ftNom. Charact  | Outer Shield Drain Wire AWG                     | 24                             |  |
| Arrow of the second s | Outer Shield Drain Wire Stranding               | 7x32                           |  |
| Durar Jacket Material PC Polyvinyl Chloride   OVERALL NOMINAL DIAMETER: .300 in.   Overall Nominal Diameter .390 in.   BECHANICAL CHARACTERISTICS: .30° C To 4 80°C   Operating Temperature Range .30° C To 4 80°C   UL Temperature Rating 80°C (UL AVM Style 2919)   Balk Cable Weight 81.7 1bs/1000 ft.   Max. Recommended Pulling Tension 101 lbs.   Min. Bend Radius (Install) 4 in.   APPLICABLE SPECIFICATIONS AND AGENCY CMPLIANCE:   SPECICULS Specification CM   CECC(UL) Specification CM   CECC(UL) Specification CM   VM Specification CM   CECC(UL) Specification CM   VM Specification CM   CECC(UL) Specification CM   VM Specification CM   SPENUMONO-PLENUM: V   Plenum (Y/N) Nom. Characteristic Impedance   Non, Characteristic Impedance 10 Nons   Non, Characteristic Impedance 128 Pi/fa   Nominal Velocity of Propagation 1.6 %   Nominal Velocity Propagat  | Outer Shield Drain Wire Conductor Material      | TC - Tinned Copper             |  |
| OVERALL NOMINAL DIAMETER:Overall Nominal Diameter.390 in.MECHANICAL CHARACTERISTICS:Operating Temperature Range.30°C To + 80°CUL Temperature Rating80°C (UL AWM Style 2919)Balk Cable Weight81.7 1bs/1000 ft.Max. Recommended Pulling Tension110 lbs.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCYCMAPPLICABLE SPECIFICATIONS AND AGENCYCMCEC/CUL) SpecificationCMCEC/CUL) SpecificationSPlenum (Y/N)NPlenum (Y/N)12.8 JP/TNon-Characteristic Impedance12.9 JP/TNom. Characteristic Impedance12.9 JP/TNom. Characteristic Impedance23.9 F/TNom. Characteristic Impedance24.0 Mm×/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C24.0 Mm×/1000 ftNominal Delay6.6 (1 MHz) dB/100 ft.Nom.   | OUTER JACKET:                                   |                                |  |
| Overall Nominal Diameter 390 in.   Deverall Nominal Diameter 390 in.   DECHANICAL CHERACTERSTICS:    Deperating Temperature Range -30°C TO +80°C   Durneprature Range 80°C (UL AWM Style 2919)   Bulk Cable Weight 81.7 1bs/1000 ft.   Max. Recommended Puling Tension 10 1bs.   Mark Accommended Puling Tension 4 in.   APPLICASLE SPECIFICATIONS AND AGENCY CWELLANCE: CMERICASLE SPECIFICATIONS AND AGENCY CWELLANCE:   APPLICABLE SPECIFICATIONS AND AGENCY CWELLANCE: CMERICASLE SPECIFICATIONS AND AGENCY CWELLANCE:   SPECIFICATIONS AND AGENCY CWELLANCE: CMERICASLE SPECIFICATIONS AND AGENCY CWELLANCE:   NECKLUS Specification CM   SPECIFICATIONS AND AGENCY CWELLANCE: CMERICASLE SPECIFICATIONS AND AGENCY CWELLANCE:   PIROM (NP) Specification CMACINCAGENCY   PIROM (NP) Specification CMACINCAGENCY   PIROM (NP) Non-Capacitacter Specification   Non-Capacitacter Specification Specification   Non-Capacitacter Conductor for HS HZ Specification   Non-Capacitacter Conductor for HS HZ Specification   Nonin Alepolety Depogation Specification   | Outer Jacket Material                           | PVC - Polyvinyl Chloride       |  |
| MCCHANCAL CHARACTERISTICS:Operating Temperature Range-30°C To +80°CUL Temperature Rating80°C (UL AWM Style 2919)Bulk Cable Weight10 10s.Max. Recommended Pulling Tension110 10s.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCCMPLIANCE:APPLICABLE SPECIFICATIONS AND AGENCCMCBC(UL) SpecificationCMCBC(UL) SpecificationCMCBC(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)PHENUMYON-PLENUM:VPlenum (YN)NoNon. Characteristic Impedance120 OhnsNon. Characteristic Impedance120 OhnsNon. Characteristic Impedance120 OhnsNon. Characteristic Impedance65%Non. Characteristic Impedance120 OhnsNoninal Delay6.6 %Noninal Delay6.6 %Noninal Delay6.6 %INoninal Delay6.6 (%IIII)Noninal Delay6.6 (%IIII)Noninal Delay6.6 (%IIII)Noninal Delay6.6 (%IIIII)Noninal Delay  | OVERALL NOMINAL DIAMETER:                       |                                |  |
| Operating Temperature Range-30°C To +80°CUL Temperature Rating80°C (UL AWM Style 2919)Bulk Cable Weight81.7 1bs/1000 ft.Max. Recommended Pulling Tension110 1bs.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCY UPLIANCE:APPLICABLE SPECIFICATIONS AND AGENCY UPLIANCE:APPLICABLE STANDARDS:NEC(UL) SpecificationCMCEC/C(UL) SpecificationCMCEC/C(UL) SpecificationCMCEC/C(UL) SpecificationCMCENUM/NON-PLENUM:UL Style 2919 (30 V 80°C)Plenum (Y/N)NSecond colspan="2">Second colspan="2">Second colspan="2"Non. Characteristic Impedance120 OhmsNon. Characteristic Impedance120 OhmsNon. Conductor to Conductor @ 1 KHzSecond colspan="2"Non. Conductor DConductor @ 1 KHz12.8 P/ftNon. Conductor DConductor @ 1 KHzSecond colspan="2"Non. Conductor DC Resistance @ 20 Deg. Colspan="2"24 Ohms/1000 ftNon. Conductor DC Resistance @ 20 Deg. Colspan="2"21 Ohms/1000 ftNon. Attenuation (dB/100 ft)6 (@ 1 MHz) dB/100 ft.Non. Conductor DC Resistance @ 20 Deg. Colspan="2"21 Ohms/1000 ft.Non. Attenuation (dB/100 ft.Non. Conductor DC Resistance @ 20 Deg. Colspan="2"21 Ohms/1000 ft. <td>Overall Nominal Diameter</td> <td>.390 in.</td>   | Overall Nominal Diameter                        | .390 in.                       |  |
| UL Temperature Rating80°C (UL AWM Style 2919)Bulk Cable Weight81.7 1bs/1000 ft.Max. Recommended Pulling Tension110 lbs.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:APPLICABLE STANDARDS:NEC/(UL) SpecificationCMCEC/C(UL) SpecificationCMCEC/C(UL) SpecificationCMCEC/C(UL) SpecificationCMOMPLENUM/NON-PLENUM:Plenum (Y/N)NELECTRICAL CHARACTERISTICS:Non. Characteristic Impedance120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz<br>2 23 pF/ftNominal Velocity of Propagation66 %Nominal Velocity of Propagation66 %Nom. Conductor DC Resistance @ 20 Deg. C21 Ohms/1000 ftNom. Autenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Nom. Autenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.  | MECHANICAL CHARACTERISTICS:                     |                                |  |
| Bulk Cable Weight81.7 lbs/1000 ft.Max. Recommended Pulling Tension110 lbs.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:APPLICABLE STANDARDS:NEC/(UL) SpecificationCMCEC/(UL) SpecificationCMCEC/(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNominal Delay1.6 ns/ftNominal Delay1.6 ns/ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (ULAWM Style 2919)   | Operating Temperature Range                     | -30°C To +80°C                 |  |
| Max Recommeded Pulling Tension10 lbs.Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCYCMAPPLICABLE STANDARDS:CMNEC/(UL) SpecificationCMCEC/C(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)AWM SpecificationNPlenum (Y/N)NPlenum (Y/N)NNon. Characteristic Impedance20 OhmsNon. Characteristic Impedance20 OhmsNon. Characteristic Impedance23 pF/ftNon. Characteristic Impedance66 %Noninal DelayAoff Noninal DelayNon. Conductor DC Resistance @ 20 Deg. C1 Ohms/1000 ftNoninal Outer Shield OE Log21 Ohms/1000 ftNoninal Outer Shield DC Resistance @ 20 Deg. C3 noninal Outer Shield DC Resistance @ 20 Deg. CNon. Attenuation (dB/I00 ft)6.6 (@ 1 MHZ) dB/I00 ft.Non. Attenuation (dB/I00 ft)0.0 YRMS (ULAWM Style 2919)  | UL Temperature Rating                           | 80°C (UL AWM Style 2919)       |  |
| Min. Bend Radius (Install)4 in.APPLICABLE SPECIFICATIONS AND AGENCYCMPLIANCE:APPLICABLE STANDARDS:CMNEC/(UL) SpecificationCMCEC/C(UL) SpecificationUL Style 2919 (30 V 80°C)AWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NPlenum (Y/N)120 OhmsCECTRICAL CHARACTERISTICS:120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @1 KHz12.8 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @20 Deg. C2.1 Ohms/1000 ftNominal Outer Shield DC Resistance @20 Deg. C1.0 Ohms/1000 ft.Nom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (ULAWM Style 2919)  | Bulk Cable Weight                               | 81.7 lbs/1000 ft.              |  |
| APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:APPLICABLE STANDARDS:NEC/(UL) SpecificationCMCEC/(UL) SpecificationUL Style 2919 (30 V 80°C)AWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NPlenum (Y/N)120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor 0 T KHz12.8 pF/ftNom. Capacitance Conductor 0 T KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (ULAWM Style 2919)   | Max. Recommended Pulling Tension                | 110 lbs.                       |  |
| APPLICABLE STANDARDS:NEC/(UL) SpecificationCMCEC/C(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)AWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NFLECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz12.8 pF/ftNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | Min. Bend Radius (Install)                      | 4 in.                          |  |
| NEC/(UL) SpecificationCMCEC/C(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NPlenum (Y/N)NCECTRICAL CHARACTERISTICS:120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNominal Velocity of Propagation6%Nominal Delay1.6 ns/ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ft.Nom. Attenuation (dB/100 ft)0.6 (@ 1 1 MEz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (ULAWM Style 2919)   | APPLICABLE SPECIFICATIONS AND AGENCY            | COMPLIANCE:                    |  |
| CEC/C(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:Plenum (Y/N)NELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz12.8 pF/ftNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | APPLICABLE STANDARDS:                           |                                |  |
| AWM SpecificationUL Style 2919 (30 V 80°C)PLENUM/NON-PLENUM:NPlenum (Y/N)NELECTRICAL CHARACTERISTICS:120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNom. Capacitance Conductor to Conductor @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ft.Nom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | NEC/(UL) Specification                          | СМ                             |  |
| PLENUM/NON-PLENUM:Plenum (Y/N)NELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz12.8 pF/ftNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | CEC/C(UL) Specification                         | СМ                             |  |
| Plenum (Y/N) N   ELECTRICAL CHARACTERISTICS: 20 Ohms   Nom. Characteristic Impedance 120 Ohms   Nom. Capacitance Conductor to Conductor @ 1 KHz 12.8 pF/ft   Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 3 pF/ft   Nominal Velocity of Propagation 66 %   Nominal Delay 1.6 ns/ft   Nominal Outer Shield DC Resistance @ 20 Deg. C 2.1 Ohms/1000 ft   Nominal Outer Shield DC Resistance @ 20 Deg. C 0.6 (@ 1 MHz) dB/100 ft.   Nom. Attenuation (dB/100 ft) 0.6 (@ 1 MHz) dB/100 ft.   Was. Operating Voltage - UL 300 V RMS (UI AWM Style 2919)   | AWM Specification                               | UL Style 2919 (30 V 80°C)      |  |
| ELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor 0 Conductor @ 1 KHz12.8 pF/ftNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | PLENUM/NON-PLENUM:                              |                                |  |
| Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @1 KHz12.8 pF/ftNom. Cap. Cond. to Other Cond. & Shield @1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | Plenum (Y/N)                                    | Ν                              |  |
| Nom. Capacitance Conductor to Conductor @ 1 KHz12.8 pF/ftNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | ELECTRICAL CHARACTERISTICS:                     |                                |  |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz23 pF/ftNominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | Nom. Characteristic Impedance                   | 120 Ohms                       |  |
| Nominal Velocity of Propagation66 %Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | Nom. Capacitance Conductor to Conductor @ 1 KHz | 12.8 pF/ft                     |  |
| Nominal Delay1.6 ns/ftNom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 23 pF/ft                       |  |
| Nom. Conductor DC Resistance @ 20 Deg. C24 Ohms/1000 ftNominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)   | Nominal Velocity of Propagation                 | 66 %                           |  |
| Nominal Outer Shield DC Resistance @ 20 Deg. C2.1 Ohms/1000 ftNom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | Nominal Delay                                   | 1.6 ns/ft                      |  |
| Nom. Attenuation (dB/100 ft)0.6 (@ 1 MHz) dB/100 ft.Max. Operating Voltage - UL300 V RMS (UI AWM Style 2919)  | Nom. Conductor DC Resistance @ 20 Deg. C        | 24 Ohms/1000 ft                |  |
| Max. Operating Voltage - UL 300 V RMS (UI AWM Style 2919)   | Nominal Outer Shield DC Resistance @ 20 Deg. C  | 2.1 Ohms/1000 ft               |  |
|   | Nom. Attenuation (dB/100 ft)                    | 0.6 (@ 1 MHz) dB/100 ft.       |  |
| Max. Recommended Current1.54 Amps per conductor @ 25°C  | Max. Operating Voltage - UL                     | 300 V RMS (UI AWM Style 2919)  |  |
|   | Max. Recommended Current                        | 1.54 Amps per conductor @ 25°C |  |

### **PUT-UPS AND COLORS:**

| Item         | Description        | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|--------------------|--------------|--------------------|--------------|-------|
| 9844 0601000 | 4 PR #24 PE SH PVC | 1000         | 83                 | CHROME       | С     |



# 9844 Paired - Low Capacitance EIA RS-485

| 9844 060500 | 4 PR #24 PE SH PVC | 500 | 43 | CHROME | С |
|-------------|--------------------|-----|----|--------|---|
|             |                    |     |    |        |   |

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 06-09-2004

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