



1420A Paired - Low Capacitance Computer Cable for EIA RS-232/422

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|   | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf</p> |
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Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 3 |
| Total Number of Conductors | 6 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|--------------------------------|-------------------------|
| Insulation Material Trade Name | Datalene® |
| Insulation Material | FPE - Foam Polyethylene |

Pair Color Code Chart :

| Number | Color | Number | Color |
|--------|-----------------------------|--------|---------------------------|
| 1 | White/Blue & Blue/White | 3 | White/Green & Green/White |
| 2 | White/Orange & Orange/White | | |

OUTER SHIELD:

| | |
|----------------------------------|------------------------------|
| Outer Shield Material Trade Name | Beldfoil® |
| Outer Shield Type | Tape |
| Outer Shield Material | Aluminum Foil-Polyester Tape |
| Outer Shield % Coverage | 100 % |

OUTER SHIELD DRAIN WIRE :

| | |
|--|--------------------|
| Outer Shield Drain Wire AWG | 24 |
| Outer Shield Drain Wire Stranding | 7x32 |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

OUTER JACKET:



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|-----------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

OVERALL NOMINAL DIAMETER:

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|--------------------------|----------|
| Overall Nominal Diameter | .261 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

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|----------------------------------|--------------------------|
| Operating Temperature Range | -20°C To +80°C |
| Non-UL Temperature Rating | 80°C (UL AWM Style 2919) |
| Bulk Cable Weight | 29 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 33 lbs. |
| Min. Bend Radius (Install) | 2.75 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification | CM |
| CEC/C(UL) Specification | CM |
| AWM Specification | UL Style 2919 (30 V 80°C) |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

FLAME TEST:

| | |
|------------------|-------------------|
| UL Flame Test | UL1685 UL Loading |
| C(UL) Flame Test | FT1 |

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|---|---|
| Nom. Characteristic Impedance | 100 Ohms |
| Nom. Inductance | .213 μH/ft |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 13 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 22 pF/ft |
| Nominal Velocity of Propagation | 78 % |
| Nom. Conductor DC Resistance @ 20 Deg. C | 24 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C | 15.1 Ohms/1000 ft |
| Max. Operating Voltage - UL | 30 V RMS (UL AWM Style 2919); 300 V RMS |
| Max. Recommended Current | 1.8 Amps per conductor @ 25°C |

NOTES:

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| Notes | Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight. |
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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|----------------|--------------------------|--------------|--------------------|--------------|-------|
| 1420A 0601000 | 3 PR #24 FHDPE FS PVC | 1000 | 34 | CHROME | C |
| 1420A 06010000 | 3 PR #24 FHDPE FS PVC | 10000 | 340 | CHROME | C Y |
| 1420A 060500 | 3 PR #24 FHDPE FS PVC | 500 | 17 | CHROME | C |

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 1 Revision Date: 07-20-2005

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