

## 1813A Paired - Two-Conductor, Low-Impedance Cable

|  |   |
|--|---|
|    | <p>For more information please<br/>call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> |
|--|---|

### Description:

24 AWG stranded (27x38) high-conductivity bare copper conductors, PVC insulation, bare copper spiral shield (92% coverage), PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                                    |
|----------------------------|------------------------------------|
| Number of Pairs            | 1                                  |
| Total Number of Conductors | 2                                  |
| AWG                        | 24                                 |
| Stranding                  | 27x38                              |
| Conductor Material         | High Conductivity BC - Bare Copper |

#### INSULATION:

|                     |                          |
|---------------------|--------------------------|
| Insulation Material | PVC - Polyvinyl Chloride |
| Insulation Diameter | .059 in.                 |
| Lay Length          | 1.25 in.                 |
| Twists/ft.          | 9.6                      |

#### Pair Color Code Chart :

| Number | Color      |
|--------|------------|
| 1      | Blue & Red |

#### OUTER SHIELD:

|                         |                  |
|-------------------------|------------------|
| Outer Shield Type       | Spiral Serve     |
| Outer Shield Material   | BC - Bare Copper |
| Outer Shield % Coverage | 92 %             |

#### OUTER JACKET:

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

#### OVERALL NOMINAL DIAMETER:

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .236 in. |
|--------------------------|----------|

#### MECHANICAL CHARACTERISTICS:

|                                  |                 |
|----------------------------------|-----------------|
| Operating Temperature Range      | -30°C To +60°C  |
| Bulk Cable Weight                | 27 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 10 lbs.         |

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|                            |         |
|----------------------------|---------|
| Min. Bend Radius (Install) | 2.5 in. |
|----------------------------|---------|

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

|                                       |            |
|---------------------------------------|------------|
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

#### PLENUM/NON-PLENUM:

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

#### ELECTRICAL CHARACTERISTICS:

|   |                   |
|---|-------------------|
| Nom. Inductance                                 | .219 $\mu$ H/ft   |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 33 pF/ft          |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 61 pF/ft          |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 22.8 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 11.6 Ohms/1000 ft |
| Max. Operating Voltage - Non-UL                 | 100 V RMS         |

#### PUT-UPS AND COLORS:

| Item          | Description       | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------|--------------|--------------------|--------------|-------|
| 1813A B591000 | 2 #24 PVC SRV PVC | 1000         | 33                 | BLACK, MATTE | C     |
| 1813A B59328  | 2 #24 PVC SRV PVC | 328          | 7.544              | BLACK, MATTE | C     |

C = CRATE REEL PUT-UP.

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