

1902A Multi-Conductor - FleXsnake® Super-Flexible, High-Performance Cable



For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (41x40) bare copper conductor, polyolefin insulation, individually shielded with double serve "French Braid" (93% coverage), TC drain wire, numbered/color-coded PVC jackets, overall Black PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 2 | 24 | 41x40 | BC - Bare Copper | .0225 |

Insulation**Insulation Material:**

| Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|---------------------|----------------------|------------|
| PO - Polyolefin | .008 | .040 |

Inner Shield**Inner Shield Material:**

| Type | Inner Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| French Braid | BC - Bare Copper | 95 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 19x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Jacket**Inner Jacket Material:**

| Inner Jacket Material | Nom Wall (in.) | Nom. Dia. (in.) |
|--------------------------|----------------|-----------------|
| PVC - Polyvinyl Chloride | .014 | .119 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Brown |
| 2 | Red |

Outer Shield**Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .050 |

Overall Cable

Overall Nominal Diameter: 0.330 in.

Pair**Pair Color Code Chart:**

1902A Multi-Conductor - FleXnake® Super-Flexible, High-Performance Cable

| Number | Color |
|--------|-------------|
| 1 | Red & Black |

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.000 | 12.000 |

Mechanical Characteristics (Overall)

| | |
|--|-----------------|
| Operating Temperature Range: | -20°C To +60°C |
| Bulk Cable Weight: | 48 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 58 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 3.300 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| EU CE Mark: | No |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 60 |

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .18 |

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 26.1 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| Capacitance (pF/ft) |
|---------------------|
| 47.5 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 66 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 25.5 |

| | |
|---|-------------------|
| Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: | 7.200 Ohm/1000 ft |
|---|-------------------|

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Recommended Current:

1902A Multi-Conductor - FleXsnake® Super-Flexible, High-Performance Cable**Current**

1.05 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------|-------|------------------|
| 1902A B591000 | 1,000 FT | 53.000 LB | BLACK, MATTE | C | 2#24 JKTD PR PVC |
| 1902A B59250 | 250 FT | 12.000 LB | BLACK, MATTE | C | 2#24 JKTD PR PVC |
| 1902A B59500 | 500 FT | 27.500 LB | BLACK, MATTE | | 2#24 JKTD PR PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

© 2012 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.