

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



For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (41x40) bare copper conductor, polyolefin insulation, individually shielded with double serve “French Braid” (95% 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

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PO - Polyolefin	0.040

#### 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. Dia. (in.)
PVC - Polyvinyl Chloride	0.119

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
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.330 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Red & Black

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 58 lbs.

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Min. Bend Radius/Minor Axis: 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
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:

Current

1.05 Amps per conductor @ 25°C

### 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	13.750 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.

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