

**1509C Paired - Analog Multi-Pair Snake Cable**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs (100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**

**1509C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

Inner Jacket Color Code Chart :

Number	Color
1	Brown
2	Red

**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:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.864 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	7.645 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	63.248 Kg/Km
Max. Recommended Pulling Tension	246.43 N
Min. Bend Radius (Install)	7.366 cm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Inductance	0.591 µH/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m



**1509C Paired - Analog Multi-Pair Snake Cable**

Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1509C B591000	2 PR #24 PP FS PVC FS PVC	304.8	19.976	BLACK, MATTE	C
1509C B59500	2 PR #24 PP FS PVC FS PVC	152.4	10.669	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 02-09-2004

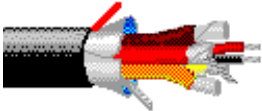
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## 1510C Paired - Analog Multi-Pair Snake Cable

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	4
Total Number of Conductors	8
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**



**1510C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.94 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	8.941 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	77.238 Kg/Km
Max. Recommended Pulling Tension	393.221 N
Min. Bend Radius (Install)	8.89 cm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Inductance	0.591 µH/m
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**1510C Paired - Analog Multi-Pair Snake Cable**

Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1510C B591000	4 PR #24 PP FS PVC FS PVC	304.8	32.688	BLACK, MATTE	C
1510C B59500	4 PR #24 PP FS PVC FS PVC	152.4	17.025	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 02-09-2004

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**1511C Paired - Analog Multi-Pair Snake Cable**

	<p><b>Metric Version</b>  <b>For more information please call</b>  <b>1-800-Belden1</b></p> <p><u><b>See Put-ups and Colors</b></u></p> <p><b>Color Code Chart : No. 7 for Snake Cables.pdf</b></p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	6
Total Number of Conductors	12
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm
Lay Length	4.445 cm
Twists/ft.	6.85
Pair Color Code Chart	Red & Black

**INNER SHIELD:**

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	7x32
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

**INNER JACKET:**



## 1511C Paired - Analog Multi-Pair Snake Cable

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color	Number	Color
1	Brown	4	Yellow
2	Orange	5	Green
3	Red	6	Blue

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.94 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	10.617 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	106.704 Kg/Km
Max. Recommended Pulling Tension	544.46 N
Min. Bend Radius (Install)	101.6 mm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**



**1511C Paired - Analog Multi-Pair Snake Cable**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1511C B591000	6 PR #24 PP FS PVC FS PVC	304.8	44.946	BLACK, MATTE	C
1511C B59500	6 PR #24 PP FS PVC FS PVC	152.4	22.7	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

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**1512C Paired - Analog Multi-Pair Snake Cable**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 7 for Snake Cables.pdf</b></p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	8
Total Number of Conductors	16
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**



**1512C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**OVERALL CABLING:**

Overall Cabling Color Code Chart :

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.838 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	11.481 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	154.029 Kg/Km
Max. Recommended Pulling Tension	676.126 N
Min. Bend Radius (Install)	11.43 cm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM



**1512C Paired - Analog Multi-Pair Snake Cable**

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1512C B591000	8 PR #24 PP FS PVC FS PVC	304.8	55.842	BLACK, MATTE	C
1512C B59500	8 PR #24 PP FS PVC FS PVC	152.4	29.737	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 11-19-2003

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## 1513C Paired - Analog Multi-Pair Snake Cable

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	12
Total Number of Conductors	24
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**

**1513C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	1.143 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	14.249 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	191.085 Kg/Km
Max. Recommended Pulling Tension	980.383 N
Min. Bend Radius (Install)	13.97 cm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

## 1513C Paired - Analog Multi-Pair Snake Cable

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1513C B591000	12 PR #24 PP FS PVC FS PVC	304.8	80.812	BLACK, MATTE	C
1513C B59500	12 PR #24 PP FS PVC FS PVC	152.4	40.633	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	16
Total Number of Conductors	32
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**





**1514C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink
13	Lt. Gray/Brown
14	Lt. Gray/Red
15	Lt. Gray/Orange
16	Lt. Gray/Yellow

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	1.422 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	15.951 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	263.858 Kg/Km
Max. Recommended Pulling Tension	1273.964 N



**1514C Paired - Analog Multi-Pair Snake Cable**

Min. Bend Radius (Install)	16.51 cm
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**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1514C B591000	16 PR #24 PP FS PVC FS PVC	304.8	109.414	BLACK, MATTE	C
1514C B59500	16 PR #24 PP FS PVC FS PVC	152.4	55.615	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 02-09-2004

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**1516C Paired - Analog Multi-Pair Snake Cable**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	24
Total Number of Conductors	48
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**



**1516C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink
13	Lt. Gray/Brown
14	Lt. Gray/Red
15	Lt. Gray/Orange
16	Lt. Gray/Yellow
17	Lt. Gray/Green
18	Lt. Gray/Blue
19	Lt. Gray/Purple
20	Lt. Gray/Gray
21	Lt. Gray/White
22	Lt. Gray/Black
23	Lt. Gray/Tan
24	Lt. Gray/Pink

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	1.651 mm
Outer Jacket Ripcord	Yes

## 1516C Paired - Analog Multi-Pair Snake Cable

### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	20.498 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	392.141 Kg/Km
Max. Recommended Pulling Tension	1861.127 N
Min. Bend Radius (Install)	20.32 cm

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

### PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1516C B591000	24 PR #24 HDPE FS PVC FS PVC	304.8	166.164	BLACK, MATTE	C
1516C B59500	24 PR #24 HDPE FS PVC FS PVC	152.4	80.812	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 11-19-2003



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## **1516C Paired - Analog Multi-Pair Snake Cable**

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**1518C Paired - Analog Multi-Pair Snake Cable**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	32
Total Number of Conductors	64
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**



**1518C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm

**Inner Jacket Color Code Chart :**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray
9	White
10	Black
11	Tan
12	Pink
13	Lt Gray/Brown
14	Lt Gray/Red
15	Lt Gray/Orange
16	Lt Gray/Yellow
17	Lt Gray/Green
18	Lt Gray/Blue
19	Lt Gray/Violet
20	Lt Gray/Gray
21	Lt Gray/White
22	Lt Gray/Black
23	Lt Gray/Tan
24	Lt Gray/Pink
25	Lt Blue/Brown
26	Lt Blue/Red
27	Lt Blue/Orange
28	Lt Blue/Yellow
29	Lt Blue/Green
30	Lt Blue/Blue
31	Lt Blue/Violet
32	Lt Blue/Gray

**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	18
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## 1518C Paired - Analog Multi-Pair Snake Cable

Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	1.778 mm
Outer Jacket Ripcord	Yes

### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	22.784 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	501.672 Kg/Km
Max. Recommended Pulling Tension	2448.289 N
Min. Bend Radius (Install)	22.225 cm

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 $\mu$ H/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

### PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1518C B591000	32 PR #24 PP FS PVC FS PVC	304.8	215.196	BLACK, MATTE	C
1518C B59500	32 PR #24 PP FS PVC FS PVC	152.4	105.782	BLACK, MATTE	C

C = CRATE REEL PUT-UP.



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## **1518C Paired - Analog Multi-Pair Snake Cable**

Revision Number: 1      Revision Date: 02-09-2004

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**1519C Paired - Analog Multi-Pair Snake Cable**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 7 for Snake Cables.pdf</p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs(100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	52
Total Number of Conductors	104
AWG	24
Stranding	7x32
Conductor Diameter	0.61 mm
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	0.203 mm
Insulation Diameter	1.016 mm

**PAIR:**

Pair Lay Length	4.445 cm
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

**PAIR SHIELD DRAIN WIRE :**

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

**INNER JACKET:**



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**1519C Paired - Analog Multi-Pair Snake Cable**

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	0.356 mm
Inner Jacket Diameter	2.819 mm
Inner Jacket Color Code Chart :	

**1519C Paired - Analog Multi-Pair Snake Cable**

**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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	2.159 mm
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	28.372 mm
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-35°C To +75°C
Bulk Cable Weight	809.878 Kg/Km
Max. Recommended Pulling Tension	3916.195 N
Min. Bend Radius (Install)	27.94 cm

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.591 µH/m
Nom. Capacitance Conductor to Conductor @ 1 KHz	101.711 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	190.298 pF/m
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	76.447 Ohms/km
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	52.168 Ohms/km
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C



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**1519C Paired - Analog Multi-Pair Snake Cable**

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1519C B591000	52 PR #24 HDPE FS PVC FS PVC	304.8	331.874	BLACK, MATTE	C
1519C B59500	52 PR #24 HDPE FS PVC FS PVC	152.4	169.115	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 12-30-2003

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