

## 1510C Multi-Conductor - Flexible, CM Rated Cable



For more Information  
please call

1-800-Belden1



### Description:

24 AWG stranded (7x32) TC conductor, polyolefin insulation, individually shielded Beldfoil® (100% coverage) numbered/color-coded PVC jackets, jackets and shields bonded to strip simultaneously, overall Beldfoil shield and 24 AWG TC drain wire.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
4	24	7x32	TC - Tinned Copper	.024

#### Insulation

##### Insulation Material:

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

#### Inner Shield

##### Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

##### Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

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	.111

##### Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow

#### Outer Shield

##### Outer Shield Material:

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

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
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## 1510C Multi-Conductor - Flexible, CM Rated Cable

PVC - Polyvinyl Chloride .037

**Outer Jacket Ripcord:** Yes

### Overall Cabling

**Overall Nominal Diameter:** 0.352 in.

### Pair

**Pair Color Code Chart:**

**Color**  
Red & Black

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
1.750	6.850

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -35°C To +75°C

**Bulk Cable Weight:** 51.900 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 88.400 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CM

**CEC/C(UL) Specification:** CM

**EU CE Mark:** Yes

**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. Inductance:**

**Inductance (µH/ft)**  
.18

**Nom. Capacitance Conductor to Conductor:**

**Capacitance (pF/ft)**  
31

**Nom. Capacitance Cond. to Other Conductor & Shield:**

**Capacitance (pF/ft)**  
58

**Nominal Velocity of Propagation:**

**VP (%)**  
66

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
23.3

## 1510C Multi-Conductor - Flexible, CM Rated Cable

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15.900 Ohm/1000 ft

### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

### Max. Recommended Current:

<b>Current</b>
1.05 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1510C B591000	1,000 FT	72.000 LB	BLACK, MATTE	C	4 PR #24 PP FS PVC FS PVC
1510C B59500	500 FT	35.500 LB	BLACK, MATTE	C	4 PR #24 PP FS PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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