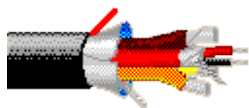


## 1511C Multi-Conductor - Flexible, CM Rated Cable



For more Information  
please call

1-800-Belden1

**General 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. (mm)
6	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 12

**Insulation****Insulation Material:**

Insulation Material	Dia. (mm)
PO - Polyolefin	1.016

**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. Dia. (mm)
PVC - Polyvinyl Chloride	2.819

**Inner Jacket Color Code Chart:**

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

**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

PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 10.617 mm

**Pair**

Pair Color Code Chart:

Color

Red &amp; Black

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 139.891 Kg/Km

Max. Recommended Pulling Tension: 542.680 N

Min. Bend Radius/Minor Axis: 107.950 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (μH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

101.711

Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)

190.298

Nominal Velocity of Propagation:

VP (%)

66

## 1511C Multi-Conductor - Flexible, CM Rated Cable

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
76.4473

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 52.168 Ohm/km

## 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
1511C B591000	305 MT	46.267 KG	BLACK, MATTE	C	6 PR #24 PO FS PVC FS PVC
1511C B59500	152 MT	23.587 KG	BLACK, MATTE	C	6 PR #24 PO FS PVC FS PVC

## Notes:

C = CRATE REEL PUT-UP.

## Test Reports

## a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

## b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

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