



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:

<b>Color</b>
Red & 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 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
MIL Order #39 (China RoHS):	Yes

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
50

**Nom. Inductance:**

<b>Inductance (µH/m)</b>
0.59058

**Nom. Capacitance Conductor to Conductor:**

<b>Capacitance (pF/m)</b>
101.711

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

<b>Capacitance (pF/m)</b>
190.298

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
66

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
76.4473

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

**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
1511C B591000	1,000 FT	102.000 LB	BLACK, MATTE	C	6 PR #24 PO FS PVC FS PVC

## METRIC MEASUREMENT VERSION

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

1511C B59500	500 FT	52.000 LB	BLACK, MATTE	C	6 PR #24 PO FS PVC FS PVC
--------------	--------	-----------	--------------	---	---------------------------

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 11-06-2014

© 2015 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.