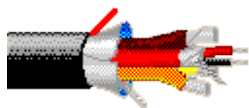


## 1518C Multi-Conductor - Flexible, CM Rated Cable



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)
32	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 64

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

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2032	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 Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.3556	2.8194

**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	Gray/Brown
14	Gray/Red
15	Gray/Orange

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16	Gray/Yellow
17	Gray/Green
18	Gray/Blue
19	Gray/Purple
20	Gray/Gray
21	Gray/White
22	Gray/Black
23	Gray/Tan
24	Gray/Pink
25	Blue/Brown
26	Blue/Red
27	Blue/Orange
28	Blue/Yellow
29	Blue/Green
30	Blue/Blue
31	Blue/Purple
32	Blue/Gray

**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 (mm)
PVC - Polyvinyl Chloride	1.778

**Outer Jacket Ripcord:** Yes

**Overall Cable**

**Overall Nominal Diameter:** 22.784 mm

**Pair****Pair Color Code Chart:**

Color
Red and Black

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-35°C To +75°C
<b>Bulk Cable Weight:</b>	656.296 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	2448.290 N
<b>Min. Bend Radius/Minor Axis:</b>	222.250 mm

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

<b>NEC/(UL) Specification:</b>	CM
<b>CEC/C(UL) Specification:</b>	CM
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes

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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

## 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
1518C B591000	305 MT	218.179 KG	BLACK, MATTE	C	32 PR #24 PO FS PVC FS PVC
1518C B59500	152 MT	107.275 KG	BLACK, MATTE	C	32 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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## 1518C Multi-Conductor - Flexible, CM Rated Cable

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