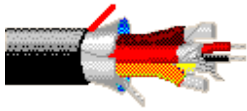


## 1516C Multi-Conductor - Flexible, CM Rated Cable

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)
24	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 48

#### 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

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

## 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	1.651

Outer Jacket Ripcord: Yes

## Overall Cable

Overall Nominal Diameter: 20.498 mm

## Pair

### Pair Color Code Chart:

Color
Red and Black

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 489.618 Kg/Km

Max. Recommended Pulling Tension: 1861.130 N

Min. Bend Radius/Minor Axis: 203.200 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: 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. 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 & 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
1516C B591000	1,000 FT	371.000 LB	BLACK, MATTE	C	24 PR #24 PO FS PVC FS PVC
1516C B59500	500 FT	180.500 LB	BLACK, MATTE	C	24 PR #24 PO FS PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 08-24-2012

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