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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)
12	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 24

#### 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
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	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

PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 14.249 mm

**Pair**

Pair Color Code Chart:

Color  
Red & Black

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -35°C To +75°C  
 Bulk Cable Weight: 241.088 Kg/Km  
 Max. Recommended Pulling Tension: 980.383 N  
 Min. Bend Radius/Minor Axis: 146.050 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

### 1513C Multi-Conductor - Flexible, CM Rated Cable

#### Notes (Overall)

**Notes:** Jacket and shield are bonded so both can be removed with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination.

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1513C B591000	1,000 FT	178.000 LB	BLACK, MATTE	C	12 PR #24 PO FS PVC FS PVC
1513C B59500	500 FT	89.500 LB	BLACK, MATTE	C	12 PR #24 PO FS PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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