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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. (in.)
52	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 104

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PO - Polyolefin	.008	.040

#### 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 (in.)	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.014	.111

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
25	Blue/Brown
26	Blue/Red
27	Blue/Orange
28	Blue/Yellow
29	Blue/Green
30	Blue/Blue
31	Blue/Purple
32	Blue/Gray
33	Blue/White
34	Blue/Black
35	Blue/Tan
36	Blue/Pink
37	Lime/Brown
38	Lime/Red
39	Lime/Orange
40	Lime/Yellow
41	Lime/Green
42	Lime/Blue
43	Lime/Purple
44	Lime/Gray
45	Lime/White
46	Lime/Black
47	Lime/Tan
48	Lime/Pink
49	Aqua/Brown
50	Aqua/Red
51	Aqua/Orange
52	Aqua/Yellow

**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 (in.)
PVC - Polyvinyl Chloride	.085

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 1.117 in.

**Pair**

Pair Color Code Chart:

Color
Red and Black

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
1.750	6.850

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 661 lbs/1000 ft.

Max. Recommended Pulling Tension: 880.400 lbs.

Min. Bend Radius/Minor Axis: 11 in.

**Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

CEC/(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

## 1519C Multi-Conductor - Flexible, CM Rated Cable

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
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
50

#### Nom. Inductance:

Inductance (µH/ft)  
.18

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
31

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

Capacitance (pF/ft)  
58

#### Nominal Velocity of Propagation:

VP (%)  
66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
23.3

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15.900 Ohm/1000 ft

#### 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
1519C B591000	1,000 FT	731.000 LB	BLACK, MATTE	C	52 PR #24 PO FS PVC FS PVC
1519C B59500	500 FT	372.500 LB	BLACK, MATTE	C	52 PR #24 PO FS PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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