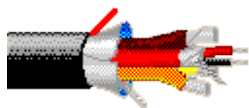


1519C Multi-Conductor - Flexible, CM Rated Cable



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)
52	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 104

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
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 (mm)
PVC - Polyvinyl Chloride	2.159

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 28.372 mm

Pair**Pair Color Code Chart:**

Color
Red and Black

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
44.45	22.475

Mechanical Characteristics (Overall)

Operating Temperature Range:	-35°C To +75°C
Bulk Cable Weight:	983.700 Kg/Km
Max. Recommended Pulling Tension:	3916.200 N
Min. Bend Radius/Minor Axis:	279.400 mm

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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/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
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Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

1519C Multi-Conductor - Flexible, CM Rated Cable**Current**

1.05 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1519C B591000	305 MT	331.578 KG	BLACK, MATTE	C	52 PR #24 PO FS PVC FS PVC
1519C B59500	152 MT	168.964 KG	BLACK, MATTE	C	52 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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