

## 1508A Multi-Conductor - Single-Pair Cable



For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) TC conductors, Polyolefin insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PO - Polyolefin	0.040

#### 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
24	7x32	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.024

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.131 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 11 lbs/1000 ft.

Max. Recommended Pulling Tension: 16.500 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

### 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
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**Surface Printing (Overall)**

**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

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

15.9

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

1.05 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** Jacket and shield are bonded so both can be removed with automatic stripping equipment.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1508A B591000	1,000 FT	13,000 LB	BLACK, MATTE	C	1 PR #24 PO FS PVC
1508A B59500	500 FT	6,500 LB	BLACK, MATTE		1 PR #24 PO FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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