

## 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

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL 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 &amp; 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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