

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

For more Information  
please call

1-800-Belden1



### 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. (mm)
1	24	7x32	TC - Tinned Copper	0.6096

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PO - Polyolefin	0.2032	1.016

#### 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 (mm)
PVC - Polyvinyl Chloride	0.6096

Outer Jacket Ripcord: Yes

### Overall Cabling

Overall Nominal Diameter: 3.327 mm

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & Red

#### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.475

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Bulk Cable Weight: 16.370 Kg/Km

Max. Recommended Pulling Tension: 73.395 N

Min. Bend Radius (Install)/Minor Axis: 38.100 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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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
50

#### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )
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

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.1679

#### 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.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1508A B591000	305 MT	4.990 KG	BLACK, MATTE	C	1 PR #24 PO FS PVC
1508A B59500	152 MT	2.948 KG	BLACK, MATTE		1 PR #24 PO FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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