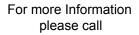
# **Detailed Specifications & Technical Data**



METRIC MEASUREMENT VERSION

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



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.     1   24   7x32   TC - Tinned Copper   0.60		
Total Number of Conductors:	2	
Insulation Insulation Material:		
Insulation Material Dia. (mm)PO - Polyolefin1.016		
Outer Shield Outer Shield Material:		
Outer Shield Trade Name Type Outer Shield Mat		
Beldfoil® Tape Aluminum Foil-Po	yester Tape 100	
Outer Shield Drain Wire AWG:		
AWG Stranding Drain Wire Conductor Material		
24 7x32 TC - Tinned Copper		
Outer Jacket Outer Jacket Material:		
	1)	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m	ı) Yes	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m. PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord:		
Outer Jacket Material:   Outer Jacket Material Nom. Wall Thickness (m.   PVC - Polyvinyl Chloride 0.6096   Outer Jacket Ripcord:		
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m. PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter:	Yes	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m. PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter:	Yes	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter: Pair Pair Color Code Chart: Number Color	Yes	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter: Pair Pair Color Code Chart:	Yes	
Outer Jacket Material:   Outer Jacket Material   PVC - Polyvinyl Chloride   0.6096   Outer Jacket Ripcord:   Overall Cable   Overall Nominal Diameter:   Pair   Pair Color Code Chart:   1   Black & Red	Yes	
Outer Jacket Material:   Outer Jacket Material   PVC - Polyvinyl Chloride   0.6096   Outer Jacket Ripcord:   Overall Cable   Overall Nominal Diameter:   Pair   Pair Color Code Chart:   1   Black & Red	Yes	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter: Pair Pair Color Code Chart: Number Color 1 Black & Red Mechanical Characteristics (Overall)	Yes 3.327 mm	
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (m PVC - Polyvinyl Chloride 0.6096 Outer Jacket Ripcord: Overall Cable Overall Nominal Diameter: Pair Pair Color Code Chart: Number Color 1 Black & Red Mechanical Characteristics (Overall) Operating Temperature Range:	Yes 3.327 mm -20°C To +60°C	
Outer Jacket Material Nom. Wall Thickness (m.   PVC - Polyvinyl Chloride 0.6096   Outer Jacket Ripcord: Overall Cable   Overall Cable Overall Nominal Diameter:   Pair Pair Color Code Chart:   Number Color 1 Black & Red   Mechanical Characteristics (Overall) Operating Temperature Range:   UL Temperature Rating: UL Temperature Rating:	Yes 3.327 mm -20°C To +60°C 60°C	

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

# **Detailed Specifications & Technical Data**



### METRIC MEASUREMENT VERSION

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	СМ
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

Surface Printing (Overall)

#### **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

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

Putup

#### **Notes (Overall)**

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

### Put Ups and Colors:

Color

# **Detailed Specifications & Technical Data**



#### METRIC MEASUREMENT VERSION

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

1508A B591000	305 MT	5.897 KG	BLACK, MATTE	С	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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