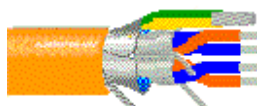


1339A Multi-Conductor - DataBus® for FOUNDATION Fieldbus or Profibus PA



For more Information
please call

1-800-Belden1

**General Description:**

18 AWG stranded (7x26) tinned copper conductors, ground wire, polyolefin insulation, inner and overall Beldfoil® shield (100% coverage), tinned copper drain wire, oil & sunlight resistant PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	5	18	7x26	TC - Tinned Copper

Total Number of Conductors: 11

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	18
Ground Wire Stranding:	7x26
Ground Wire Conductor Material:	TC - Tinned Copper
Ground Wire Insulation Material:	PVC - Polyvinyl Chloride

Insulation**Insulation Material:**

Insulation Material
FRPO - Flame Retardant Polyolefin

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	Stranding	Conductor Material
18	7x26	TC - Tinned Copper

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 17.272 mm

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Pair

Pair Color Code Chart:

Number	Color
1	Blue and Orange and Numbered 1
2	Blue and Orange and Numbered 2
3	Blue and Orange and Numbered 3
4	Blue and Orange and Numbered 4
5	Blue and Orange and Numbered 5
6	Green/Yellow (Ground)

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Max. Recommended Pulling Tension:	1094.257 N
Min. Bend Radius/Minor Axis:	172.720 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER
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):	11/01/2007
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

Flame Test

UL Flame Test:	UL1685 UL Loading
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Unaveraged Impedance:

Freq. (MHz)	Impedance (Ohm)
0.031	100.000

Nom. Inductance:

Inductance (µH/m)
0.722

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
147.645

Nom. Mutual Capacitance:

Capacitance (pF/m)

METRIC MEASUREMENT VERSION

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78.744

Maximum Capacitance Unbalance:

Capacitance (pF/m)

3.937

 Ind. Pair Nominal Shield DC Resistance @ 20 24.608 Ohm/km
 Deg. C:

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

0.039 0.262

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

0.039 0.299

Max. Operating Voltage - UL:

Voltage

600 V RMS

Max. Recommended Current:

Description Current

Per Conductor 5.2 Amps

Other Electrical Characteristic 1: Max. Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft

Other Electrical Characteristic 2: 31.25 KBits/sec

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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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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