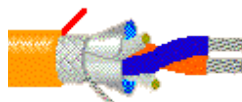
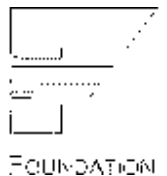


1335A Multi-Conductor - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable



For more Information
please call

1-800-Belden1

**Description:**

1 pair, 16 AWG stranded (7x24) tinned copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage) plus a tinned copper braid shield (65% coverage), tinned copper drain wire, oil-resistant PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	7x24	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

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

Outer Jacket Ripcord:

Yes

Overall Cabling

Overall Nominal Diameter:

0.340 in.

Pair

Pair Color Code Chart:

Number	Color
1	Blue & Orange

Pair Lay Length & Direction:

Lay Length (in.)
2.125

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +90°C

UL Temperature Rating: 90°C

Max. Recommended Pulling Tension: 84 lbs.

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Min. Bend Radius (Install)/Minor Axis: 3.400 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM, ITC, PLTC

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): 09/05/2006

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

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Unaveraged Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	.03125			100

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
45.0

Nom. Mutual Capacitance:

Capacitance (pF/ft)
24.0

Maximum Capacitance Unbalance:

Capacitance (pF/ft)
1.2

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.200

Maximum Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.9

Nom. Attenuation:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	.039			.066

Max. Attenuation:

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()	Freq. (MHz)	Attenuation (dB/100 ft.)
.091	0.039	0.091

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
Per Conductor	8 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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1335A 0031000	1,000 FT	65.000 LB	ORANGE	C	1 PR #16 PP SH FRPVC
1335A 0031640	1,640 FT	106.600 LB	ORANGE	C	1 PR #16 PP SH FRPVC
1335A 0033280	3,280 FT	213.200 LB	ORANGE	C	1 PR #16 PP SH FRPVC
1335A 003394	394 FT	27.186 LB	ORANGE	C	1 PR #16 PP SH FRPVC
1335A 0061000	1,000 FT	65.000 LB	BLUE, LIGHT	C	1 PR #16 PP SH FRPVC
1335A 0061640	1,640 FT	106.600 LB	BLUE, LIGHT	C	1 PR #16 PP SH FRPVC
1335A 0063280	3,280 FT	213.200 LB	BLUE, LIGHT	C	1 PR #16 PP SH FRPVC
1335A 006394	394 FT	27.186 LB	BLUE, LIGHT	C	1 PR #16 PP SH FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-19-2008

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