

1337a 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, 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	1	18	7x26	TC - Tinned Copper

Total Number of Conductors: 3

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

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: 9.144 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & Orange
2	Green/Yellow (Ground)

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

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Max. Recommended Pulling Tension:	298.029 N
Min. Bend Radius/Minor Axis:	91.440 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER
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):	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)
0.313	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)
78.744

Maximum Capacitance Unbalance:

Capacitance (pF/m)
3.937

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.227

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

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
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METRIC MEASUREMENT VERSION

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0.039	0.262
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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
1337A 00310000	10,000 FT	750.000 LB	ORANGE		1 FSPR #18 FRPP+#18 PVC FS PVC

Revision Number: 0 Revision Date: 04-16-2009

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