



Part Number: 3087A

DeviceBus® for Honeywell System, (2 pr) 22 AWG (19x34) TC, PVC-FPE/PVC, Foil Shld

Product Description

Two 22 AWG pairs stranded tinned copper conductors, PVC insulation (power), foam polyethylene (FPE) insulation (data), individual Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	19X34	TC - Tinned Copper	0.03 in	2
Total Number of Conductors:				4

Insulation:

Element	Material
22 AWG (Power Pair)	PVC - Polyvinyl Chloride
22 AWG (Data Pair)	FPE - Foam Polyethylene

Color Chart 1:

Number	Color
1 (Power Pair)	Brown & Blue
2 (Data Pair)	Black & White

Stranding:

Lay Length
2 in

Innershield:

Type	Material	Material Trade Name	Coverage [%]
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %

Outershield 1:

Material	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Unshielded	TC - Tinned Copper	22	19x34 mm

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.29 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
17.5 Ohm/1000ft	7.9 Ohm/1000ft

Capacitance:

Element	Nom. Capacitance Conductor to Conductor
Data	12 pF/ft
Min Insulation Resistance:	10,000 Mega-Ohm MOhm*1000ft

High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.23 db/100ft
0.42 db/100ft
0.6 db/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]	Nominal Velocity of Propagation (VP) Description
76 %	Data

High Freq:

Element	Frequency [MHz]	Max./Min. Input Impedance (unFitted)
Data		120 Ohm
Data		
	0.125 MHz	
	0.5 MHz	
	1 MHz	

Current:

Max. Recommended Current [A]
3 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	47.5 lbs
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Safety

CSA Flammability:	FT1
UL Flammability:	UL1685 UL Loading

Temperature Range

Operating Temp Range:	-30°C To +80°C
Storage Temp Range:	-40°C To +80 °C
UL Temp Rating:	80°C (UL AWM Style 2464)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.9 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification

UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Micro Cable (Drop)
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Product Variants

Part Number	Color	Put-Up Type	Length
3087A U3R1000	GRAY U3R	Reel	1000 ft
3087A U3R2000	GRAY U3R	Reel	2000 ft
3087A U3R5000	GRAY U3R	Reel	5000 ft
3087A U3R500	GRAY U3R	Reel	500 ft

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