



Product: [123085A](#)

DeviceBus®, 2 Pr #22+24 Str TC, PVC+FPE Ins, IS+OA TC Brd, PVC Jkt, AIA Armor, CPE Jkt, CM, CL2

Product Description

DeviceBus® for ODVA DeviceNet™, 2 Pair 22+24AWG (19x34+19x36) Tinned Copper, PVC+Foam PE Insulation, Individual Beldfoil® & OA Tinned Copper Braid(65%) Shield, CPE Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, CM, CL2

Technical Specifications

Suitable Applications: exposure to rodent, crush, or cut through force, harsh environment, ODVA device-level communication, used with CIP (common Industrial Protocol) for control, configuration, and data collection between devices, such as sensors and actuators, and higher level devices such as PLC, and PC in industrial automation, bus topology, etc.

Conductor

Element	Number of Element	AWG	Stranding	Material
Power Pair(s)	1	22	19x34	TC - Tinned Copper
Data Pair(s)	1	24	19x36	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Power Pair(s)	PVC - Polyvinyl Chloride	0.021 in	0.072	Red & Black
Data Pair(s)	PE - Polyethylene	0.026 in	0.077	Blue & White

Inner Shield Material

Element	Shield Type	Material	Coverage
Power Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%
Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Braid	Tinned Copper (TC)	65%	22 AWG (19x34) TC

Inner Jacket Material

Material	Nom. Diameter
CPE - Chlorinated Polyethylene	0.280 in

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.573 in

Cable Diameter (Nominal): 0.573 in

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedence	Nom. Velocity of Prop.
Power Pair(s)	17.5 Ohm/1000ft	1.5 Ohm/1000ft			
Data Pair(s)	28.0 Ohm/1000ft		12 pF/ft	120 Ohm	75%
				120 Ohm	

High Freq

Element

Data Pair(s)

Voltage**UL Voltage Rating**

300 V (CMG)

Temperature

UL Rating	Operating
75°C	-25°C to +75°C

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	31 lbs/1000ft
Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL 1685 Vertical Tray
NEC / UL Compliance:	Article 725, Article 800, CL2, CMG
CEC / C(UL) Compliance:	CMG, CMG HLBCD
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
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