

Industrial Data Solutions® — Industrial Data

DeviceBus® for ODVA DeviceNet™

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Shielding Materials Nom. DCR	Color Code	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg				Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

300V Class 2 Thick • 15 and 18 AWG Stranded Tinned Copper • 100% Individually Foil Shielded + Overall 65% TC Braid • Drain Wire***PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight/Oil-resistant PVC Jacket**

Thick 75°C	3082A new	NEC: CMG, PLTC CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	64.0 128.0 260.0	29.1 58.2 118.2	(2)15 AWG TC (19x28) 3.6Ω/M' 11.8Ω/km (2)18 AWG TC (19x30) 6.9Ω/M' 22.6Ω/km	100% Individual Foil + Overall 65% TC Braid 1.8Ω/M' 5.9Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.460 11.68	120	—	12.0 39.4	.125 .500 1.000	.13 .25 .36	.43 .82 1.18
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UL AWM 20201 • C(UL) AWM I/II A
 *18 AWG stranded (19x30) tinned copper drain wire.
 Meter marks on jacket to aid users in installation.

High-Flex Thick 75°C	3082F new	NEC: CMG, PLTC CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	72.0 140.0 284.0	32.7 63.6 129.1	(2)15 AWG TC (65x33) 3.6Ω/M' 11.8Ω/km (2)18 AWG TC (65x36) 6.9Ω/M' 22.6Ω/km	100% Individual Foil + Overall 65% TC Braid 1.8Ω/M' 5.9Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.460 12.07	120	—	12.0 39.4	.125 .500 1.000	.13 .25 .36	.43 .82 1.18
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UL AWM 20201 • C(UL) AWM I/II A
 *18 AWG stranded (65x36) tinned copper drain wire.
 Meter marks on jacket to aid users in installation.

PVC Insulation (Power) • FPE Insulation (Data) • Yellow CPE Jacket

Thick 80°C	3083A	NEC: CMG, PLTC CEC: CMG FT4	1000 2000	304.8 609.6	133.0 270.0	60.5 122.7	(2)15 AWG TC (19x28) 3.6Ω/M' 11.8Ω/km (2)18 AWG TC (19x30) 6.9Ω/M' 22.6Ω/km	100% Individual Foil + Overall 65% TC Braid 1.8Ω/M' 5.9Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.475 12.07	120	—	12.0 39.4	.125 .500 1.000	.13 .25 .36	.43 .82 1.18
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*18 AWG stranded (19x30) tinned copper drain wire.
 Meter marks on jacket to aid users in installation.

DCR = DC Resistance • FPE = Foam Polyethylene • TC = Tinned Copper if conductor, or Tray Cable if NEC rating.

ODVA DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.



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Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Shielding Materials Nom. DCR	Color Code	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	Lbs.	kg				Inch	mm			pF/ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

300V Class 2 Thin • 22 and 24 AWG Stranded Tinned Copper • 100% Individually Foil Shielded + Overall 65% TC Braid • Drain Wire*

PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight/Oil-resistant PVC Jacket

Thin 75°C	3084A	NEC: CL2 CMG CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	26.0 49.0 100.0	11.8 22.3 45.5	(2)22 AWG TC (154x44) 17.5Ω/M' 57.4Ω/km (2)24 AWG TC (105x44) 28.0Ω/M' 91.9Ω/km	100% Individual Foil + Overall 65% TC Braid 3.2Ω/M' 10.5Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.280 7.11	120	—	12.0 39.4	.125 .500 1.000	.29 .50 .70	.95 1.64 2.30
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C(UL) AWM I/II A

*22 AWG stranded (19x34) tinned copper drain wire.
Meter marks on jacket to aid users in installation.

High-Flex Thin 75°C	3084F new	NEC: CL2 CMG CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	23.5 45.0 90.0	10.7 20.5 40.9	(2)22 AWG TC (154x44) 17.5Ω/M' 57.4Ω/km (2)24 AWG TC (105x44) 28.0Ω/M' 91.9Ω/km	100% Individual Foil + Overall 65% TC Braid 3.2Ω/M' 10.5Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.275 6.99	120	—	12.0 39.4	.125 .500 1.000	.29 .50 .70	.95 1.64 2.30
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C(UL) AWM I/II A

*22 AWG stranded (26x36) tinned copper drain wire.
Meter marks on jacket to aid users in installation.

PVC Insulation (Power) • FPE Insulation (Data) • Yellow CPE Jacket

Thin 80°C	3085A	NEC: CL2 CMG CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	25.0 47.0 96.0	11.4 21.4 43.6	(2)22 AWG TC (154x44) 17.5Ω/M' 57.4Ω/km (2)24 AWG TC (105x44) 28.0Ω/M' 91.9Ω/km	100% Individual Foil + Overall 65% TC Braid 3.2Ω/M' 10.5Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.280 7.11	120	—	12.0 39.4	.125 .500 1.000	.29 .50 .70	.95 1.64 2.30
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*22 AWG stranded (19x34) tinned copper drain wire.
Meter marks on jacket to aid users in installation.

300V Class 2 ODVA Cable III • 20 and 18 AWG Stranded TC • 100% Individually Foil Shielded + Overall 65% TC Braid • Drain Wire*

PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight/Oil-resistant PVC Jacket

Mid 75°C	7895A new	NEC: CMG PLTC CEC: CMG FT4	500 1000	152.4 304.8	42.0 83.0	19.1 37.7	(2)20 AWG TC (19x32) 10.9Ω/M' 35.8Ω/km (2)18 AWG TC (19x30) 6.9Ω/M' 22.6Ω/km	100% Individual Foil + Overall 65% TC Braid 3.2Ω/M' 10.5Ω/km	Power Pair: Red/Black Data Pair: Blue/White	.378 9.60	120	—	12.0 39.4	.125 .500 1.000	.29 .50 .70	.95 1.64 2.30
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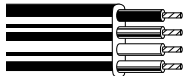
UL AWM 20201

*20 AWG stranded (19x32) tinned copper drain wire.
Meter marks on jacket to aid users in installation.

Flat • 16 AWG Stranded (19x29) Tinned Copper • Unshielded

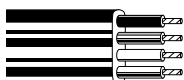
PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight-resistant PVC Jacket

Class 2 300V 75°C	3082K new	NEC: CMG CL2 PLTC CEC: CMG FT4	246 656 1378	75.0 200.0 420.0	30.8 78.7 165.4	14.0 35.8 75.2	(4)16 AWG TC (19x29) 4.9Ω/M' 16.1Ω/km	Unshielded	Power Pair: Red/Black Data Pair: Blue/White	.760 x .210	10.92 x 5.33	120	—	12.0 39.4	.125 .500 1.000	.13 .25 .40	.43 .82 1.31
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PVC Insulation • Black Sunlight-resistant PVC Jacket

Class 1 Power 600V 75°C	3082KP new	NEC: CMG, ITC, PLTC, TC CEC: CMG FT4	246 656 1378	75.0 200.0 420.0	32.0 81.3 170.9	14.5 37.0 77.7	(4)16 AWG TC (19x29) 4.9Ω/M' 16.1Ω/km	Unshielded	Red/Black, Blue/White	.760 x .210	10.92 x 5.33	—	—	—	—	—	—
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DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • TC = Tinned Copper if conductor, or Tray Cable if NEC rating.

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