




# 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	
<b>300V Class 2 Thick • 15 and 18 AWG Stranded Tinned Copper • 100% Individually Foil Shielded + Overall 65% TC Braid • Drain Wire*</b>																			
<b>PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight/Oil-resistant PVC Jacket</b>																			
Thick 75°C  	<b>3082A</b> <small>new</small>	NEC:	500	152.4	64.0	29.1	(2)15 AWG TC	100%	Power Pair:	.460	11.68	120	—	12.0	39.4	.125	.13	.43	
		CMG, PLTC	1000	304.8	128.0	58.2	(19x28)	Individual	Red/Black								.500	.25	.82
		CEC:	2000	609.6	260.0	118.2	3.6Ω/M'	Foil									1.000	.36	1.18
		CMG FT4					11.8Ω/km	+ Overall											
						(2)18 AWG TC	65%	Data Pair:				Data:	75%						
						(19x30)	TC Braid	Blue/White											
						6.9Ω/M'	1.8Ω/M'												
						22.6Ω/km	5.9Ω/km												
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  	<b>3082F</b> <small>new</small>	NEC:	500	152.4	72.0	32.7	(2)15 AWG TC	100%	Power Pair:	.460	12.07	120	—	12.0	39.4	.125	.13	.43	
		CMG, PLTC	1000	304.8	140.0	63.6	(65x33)	Individual	Red/Black								.500	.25	.82
		CEC:	2000	609.6	284.0	129.1	3.6Ω/M'	Foil									1.000	.36	1.18
		CMG FT4					11.8Ω/km	+ Overall											
						(2)18 AWG TC	65%	Data Pair:				Data:	75%						
						(65x36)	TC Braid	Blue/White											
						6.9Ω/M'	1.8Ω/M'												
						22.6Ω/km	5.9Ω/km												
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.																			
<b>PVC Insulation (Power) • FPE Insulation (Data) • Yellow CPE Jacket</b>																			
Thick 80°C  	<b>3083A</b>	NEC:	1000	304.8	133.0	60.5	(2)15 AWG TC	100%	Power Pair:	.475	12.07	120	—	12.0	39.4	.125	.13	.43	
		CMG, PLTC	2000	609.6	270.0	122.7	(19x28)	Individual	Red/Black								.500	.25	.82
		CEC:					3.6Ω/M'	Foil									1.000	.36	1.18
		CMG FT4					11.8Ω/km	+ Overall											
						(2)18 AWG TC	65%	Data Pair:				Data:	75%						
						(19x30)	TC Braid	Blue/White											
						6.9Ω/M'	1.8Ω/M'												
						22.6Ω/km	5.9Ω/km												
*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	<b>3084A</b>	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	.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	<b>3084F</b> <small>new</small>	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	.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	<b>3085A</b>	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	.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	<b>7895A</b> <small>new</small>	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	.378 9.60	120	—	12.0 39.4	.125 .500 1.000	.29 .50 .70	.95 1.64 2.30
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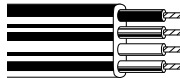


UL AWM 20201  
\*20 AWG stranded (19x32) tinned copper drain wire.  
Meter marks on jacket to aid users in installation.

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

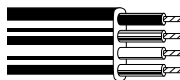
**PVC Insulation (Power) • FPE Insulation (Data) • Lt. Gray Sunlight-resistant PVC Jacket**

Class 2 300V 75°C	<b>3082K</b> <small>new</small>	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	.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	<b>3082KP</b> <small>new</small>	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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