


# 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 TC Cond. • Individually Foil Shielded (100% Coverage) + Overall TC Braid (65% Coverage)

#### PVC Insulation (Power) • FPE Insulation (Data) • Sunlight- and Oil-resistant PVC Jacket (Available in Gray or Red)


	<b>3082A</b>	NEC:	500 <sup>†</sup>	152.4	71.0	32.2	(2)15 AWG TC	100%	Power Pair:	.480	12.19	—	—	—	—	—	—	—
		CMG:	1000	304.8	138.0	62.6	(19x28)	Individual	Red&Black									
		PLTC-ER	2000 <sup>†</sup>	609.6	280.0	127.0	3.6Ω/M'	Foil										
		CEC:					11.8Ω/km	+ Overall										
		CMG FT4				(2)18 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125	.13	.43
						(19x30)	TC Braid	Blue&White								.500	.25	.82
						6.9Ω/M'	1.8Ω/M'									1.000	.36	1.18
						22.6Ω/km	5.9Ω/km											

<sup>†</sup>500 ft. and 2000 ft. put-ups not available in Red.  
 UL AWM 20201 (600V) • C(UL) AWM I/II A  
 18 AWG stranded (19x30) tinned copper drain wire.  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-A

	<b>3082F</b>	NEC:	500 <sup>†</sup>	152.4	72.5	32.9	(2)15 AWG TC	100%	Power Pair:	.480	12.19	—	—	—	—	—	—	—
		CMG:	1000	304.8	140.0	63.5	(65x33)	Individual	Red&Black									
		PLTC-ER	2000 <sup>†</sup>	609.6	284.0	128.8	3.6Ω/M'	Foil										
		CEC:					11.8Ω/km	+ Overall										
		CMG FT4				(2)18 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125	.13	.43
						(65x36)	TC Braid	Blue&White								.500	.25	.82
						6.9Ω/M'	1.8Ω/M'									1.000	.36	1.18
						22.6Ω/km	5.9Ω/km											

<sup>†</sup>500 ft. and 2000 ft. put-ups not available in Red.  
 UL AWM 20201 (600V) • C(UL) AWM I/II A  
 18 AWG stranded (65x36) tinned copper drain wire.  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-A


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

	<b>3083A</b>	NEC:	1000	304.8	137.0	62.1	(2)15 AWG TC	100%	Power Pair:	.475	12.07	—	—	—	—	—	—	—
		CMG, PLTC	2000	609.6	278.0	126.1	(19x28)	Individual	Red&Black									
		CEC:					3.6Ω/M'	Foil										
		CMG FT4					11.8Ω/km	+ Overall										
						(2)18 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125	.13	.43
						(19x30)	TC Braid	Blue&White								.500	.25	.82
						6.9Ω/M'	1.8Ω/M'									1.000	.36	1.18
						22.6Ω/km	5.9Ω/km											


18 AWG stranded (19x30) tinned copper drain wire.  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-A

### 300V Class 2 Thin • 22 and 24 AWG Stranded TC Conductors • Individ. Foil Shielded (100% Coverage) + Overall TC Braid (65% Coverage)

#### PVC Insulation (Power) • FPE Insulation (Data) • Gray Sunlight- and Oil-resistant PVC Jacket


	<b>3084A</b>	NEC:	500	152.4	22.0	10.0	(2)22 AWG TC	100%	Power Pair:	.280	7.11	—	—	—	—	—	—	—
		CL2 CMG	1000 <sup>†</sup>	304.8	47.0	21.3	(19x34)	Individual	Red&Black									
		CEC:	2000	609.6	96.0	43.6	17.5Ω/M'	Foil										
		CMG FT4					57.4Ω/km	+ Overall										
						(2)24 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125*	.29*	.95*
						(19x36)	TC Braid	Blue&White								.500*	.50*	1.64*
						91.9Ω/km	10.5Ω/km									1.000*	.70*	2.30*

<sup>†</sup>1000 ft. put-up also available in Red.  
 22 AWG stranded (19x34) tinned copper drain wire. • C(UL) AWM I/II A  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-C

	<b>3084F</b>	NEC:	500	152.4	22.0	10.0	(2)22 AWG TC	100%	Power Pair:	.275	6.99	—	—	—	—	—	—	—
		CL2 CMG	1000	304.8	47.0	21.3	(154x44)	Individual	Red&Black									
		CEC:	2000	609.6	96.0	43.6	17.5Ω/M'	Foil										
		CMG FT4					57.4Ω/km	+ Overall										
						(2)24 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125*	.29*	.95*
						(105x44)	TC Braid	Blue&White								.500*	.50*	1.64*
						28.0Ω/M'	3.2Ω/M'									1.000*	.70*	2.30*
						91.9Ω/km	10.5Ω/km											

C(UL) AWM I/II A  
 22 AWG stranded (26x36) tinned copper drain wire.  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-C

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

	<b>3085A</b>	NEC:	500	152.4	25.0	11.4	(2)22 AWG TC	100%	Power Pair:	.280	7.11	—	—	—	—	—	—	—
		CL2 CMG	1000	304.8	47.0	21.4	(19x34)	Individual	Red&Black									
		CEC:	2000	609.6	96.0	43.6	17.5Ω/M'	Foil										
		CMG FT4					57.4Ω/km	+ Overall										
						(2)24 AWG TC	65%	Data Pair:				120	75%	12.0	39.4	.125*	.29*	.95*
						(19x36)	TC Braid	Blue&White								.500*	.50*	1.64*
						28.0Ω/M'	3.2Ω/M'									1.000*	.70*	2.30*
						91.9Ω/km	10.5Ω/km											

22 AWG stranded (19x34) tinned copper drain wire.  
 Meter marks on jacket to aid users in installation. • Allen-Bradley P/N 1485 CPI-C

DCR = DC Resistance • FPE = Foam Polyethylene • PLTC-ER = Power Limited Tray Cable - Exposed Run per 2005 NEC Article 725 • TC = Tinned Copper

\*These values are Maximum Attenuation.

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



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