



Industrial Data Solutions® — Industrial Data

EIA Industrial RS-485 PLTC/CM

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) + TC Braid (90% Coverage) • Drain Wire[▲]																		
Datalene® Insulation • Black UV Resistant PVC Jacket (CPE jacket optional)																		
Oil Res II 300V 	3105A[▼]	NEC: CM PLTC	1	See Chart (below)	500	152.4	23.0	10.4	14.7Ω/M'	2.8Ω/M'	.284	7.21	120	78%	11.0	36.1	20.9	68.6
		CEC: CM FT1		1000	304.8	50.0	22.7	48.2Ω/km	9.2Ω/km	For CPE jacketed version order Part No. YR44345								
	3106A	NEC: CM PLTC	1.5 [◆]	White/Orange, Orange/White, Blue/White	500	152.4	27.0	12.3	14.7Ω/M'	2.8Ω/M'	.300	7.62	120	78%	11.0	36.1	20.9	68.6
		CEC: CM FT1		1000	304.8	51.0	23.2	48.2Ω/km	9.2Ω/km	For CPE jacketed version order Part No. YR44721								
	3107A[▼]	NEC: CM PLTC	2	See Chart (below)	1000	304.8	69.0	31.3	14.7Ω/M'	1.8Ω/M'	.356	9.04	120	78%	11.0	36.1	20.9	68.6
		CEC: CM FT1		4000	1219.2	300.0	136.2	48.2Ω/km	5.9Ω/km	For CPE jacketed version order Part No. YR46792								
	3108A	NEC: CM PLTC	3	See Chart (below)	1000	304.8	93.0	42.2	14.7Ω/M'	1.5Ω/M'	.420	10.67	120	78%	11.0	36.1	20.9	68.6
		CEC: CM FT1		2000	609.6	184.0	83.5	48.2Ω/km	4.9Ω/km	For CPE jacketed version order Part No. YR45287								
	3109A	NEC: CM PLTC	4	See Chart (below)	1000	304.8	107.0	48.6	14.7Ω/M'	1.4Ω/M'	.420	10.67	120	78%	11.0	36.1	20.9	68.6
		CEC: CM FT1		2000	609.6	218.0	99.0	48.2Ω/km	4.6Ω/km	For CPE jacketed version order Part No. YR44768								

*3015A and 3107A are DMX512 Type.

*22 AWG stranded tinned copper drain wire.

AL Interlocked Armor • Datalene® Insulation • PVC Inner Jacket • Black UV Resistant PVC Outer Jacket																		
300V 	123107A <small>(NEW)</small>	NEC: CM PLTC	2	See Chart (below)	5000 ^{††}	1523.9	1140.0	514.1	14.7Ω/M'	1.8Ω/M'	.650	16.51	120	78%	11.0	36.1	20.9	68.6
		CEC: CMG FT4		48.2Ω/km	5.9Ω/km													

*22 AWG stranded tinned copper drain wire.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

† Final put-up length may vary -0 to +10% from length shown.

†† Final put-up length may vary ±10% for spools or reels and ±5% for UnReel® cartons from length shown.

*All conductors are under the braid shield; one pair is under the Beldfoil shield.

Color Code Chart

Pair No.	Color Combination
1	White/Blue Stripe Blue/White Stripe
2	White/Orange Stripe Orange/White Stripe
3	White/Green Stripe Green/White Stripe
4	White/Brown Stripe Brown/White Stripe