

**Industrial Data Solutions® – Industrial Data**

RS-485 PLTC/CM



Part No.	Pairs	OD (Nom)		Operating Temperature (°C)	Additional Features/Ratings
		Inch	mm		
<b>22 AWG (7 x 30) Stranded TC Conductors • Datalene® Insulation • TC Drain Wire • Overall Beldfoil® + 65% TC Braid Shielding • Black PVC Jacket</b>					
3105A	1.0	.284	7.21	-20 to +60	NEC CM • CEC CM FT1 UL PLTC Sunlight Res Oil Res II 300V
3106A	1.5	.300	7.62		
3107A	2.0	.356	9.04		
3108A	3.0	.420	10.67		
3109A	4.0	.420	10.67		
<b>22 AWG (7 x 30) Stranded TC Conductors • Datalene Insulation • TC Drain Wire • Overall Beldfoil + 65% TC Braid Shielding • Armor • Black PVC Jacket</b>					
123107A	2.0	.650	16.51	-40 to +60	Aluminum Interlocked Armor NEC CM • CEC CMG FT4 UL PLTC Sunlight Res Oil Res II 300V

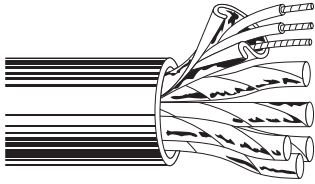
TC = Tinned Copper • PVC = Polyvinyl Chloride



For more information, contact Belden Technical Support: **1-800-BELDEN1** • [www.belden.com](http://www.belden.com)

## Audio, Control and Instrumentation Cables

### Individually Shielded Pairs • RS-485



Part No.	Pairs	Color Code	OD (Nom)		Insulation Thickness		Jacket Thickness		Capacitance				Additional Features/Ratings
			Inch	mm	Inch	mm	Inch	mm	Cond. - Cond.		Cond. - Shield		
									pF/Ft	pF/m	pF/Ft	pF/m	

#### 22 AWG • Polypropylene/PVC

Stranded (7 x 30) TC Conductors • Polypropylene Insulation • Individually Beldfoil®Shielded Pairs • 22 AWG TC Drain Wire • Chrome PVC Jacket												
8777	3	Chart 3	.273	6.93								
8778	6	Chart 3	.362	9.19	.011	.28	.034	.86				
8774	9	Chart 3	.417	10.59								
8775	11	Chart 3	.464	11.79								
9768	12	Chart 3	.464	11.79	.011	.28	.036	.91	30	98	55	180
8776	15	Chart 3	.548	13.92	.011	.28	.052	1.32				
9769	17	Chart 3	.577	14.66								
8769	19	Chart 3	.603	15.32	.011	.28	.064	1.63				
8773	27	Chart 3	.709	18.00								
9767	37	Chart 3	.800	20.32	.011	.28	.069	1.75				

NEC: CM • CEC: CM  
 UL AWM Style 2919 (30V, 80°C)  
 50 Ω Nom. Impedance  
 66% Velocity of Prop.  
 Conductor DCR (Nom): 15.0 Ω /1000' (49.2 Ω/km)

#### 22 AWG • Polypropylene/LSZH

Stranded (7 x 30) TC Conductors • Polypropylene Insulation • Individually Beldfoil Shielded Pairs • 22 AWG TC Drain Wire • LSZH Jacket												
8777SB	3	Chart 3	.273	6.93	.010	.25	.034	.86	30	98	55	180

NEC: CMG-LS • CEC: CMG-LS  
 50 Ω Nom. Impedance  
 66% Velocity of Prop.  
 Conductor DCR (Nom): 15.0 Ω /1000' (49.2 Ω/km)

TC = Tinned Copper • LSZH = Low Smoke Zero Halogen • PVC = Polyvinyl Chloride

## Audio, Control and Instrumentation Cables

### Individually Shielded Pairs • RS-485



Part No.	Pairs	Color Code	OD (Nom)		Insulation Thickness		Jacket Thickness		Capacitance				Additional Features/Ratings
			Inch	mm	Inch	mm	Inch	mm	Cond. - Cond.		Cond. - Shield		
									pF/Ft	pF/m	pF/Ft	pF/m	

#### 22 AWG • SR-PVC/PVC

Stranded (7 x 30) TC Conductors • PVC Insulation • Individually Beldfoil® Shielded Pairs • 22 AWG TC Drain Wire • Pale Fawn Beige PVC Jacket. Pairs Parallel Under Jacket.

9406	2	Black-White Black-Yellow	.173 x .280	4.39 x 7.11	.011	.28	.033	.84	50	164	95.5	312	NEC: CMG • CEC: CMG FT4 UL AWM Style 2464 (300V, 80°C) 50 Ω Nom. Impedance 60% Velocity of Prop. Conductor DCR (Nom): 15.0 Ω /1000' (49.2 Ω/km)
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#### 22 AWG • Polypropylene/PVC

Stranded (7 x 30) TC Conductors • Polypropylene Insulation • Individually Beldfoil Shielded Pairs • 22 AWG TC Drain Wire • Chrome PVC Jacket. Pairs Cabled on a Common Axis to Reduce Diameter.

8723	2	Black-Red Green-White	.160	4.06	.009	.22	.020	.51	35	115	62	203	NEC: CM • CEC: CM 300V, 60°C 45 Ω Nom. Impedance 66% Velocity of Prop. Conductor DCR (Nom): 14.7 Ω /1000' (48.2 Ω/km)
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#### 22 AWG • Polypropylene/LSZH

Stranded (7 x 30) TC Conductors • Polypropylene Insulation • Individually Beldfoil Shielded Pairs • 22 AWG TC Drain Wire • Black LSZH Jacket. Pairs Cabled on a Common Axis to Reduce Diameter.

8723SB	2	Black-Red Green-White	.196	4.98	.009	.22	.034	.86	35	115	62	203	NEC: CMG-LS • CEC: CMG-LS FT4 Limited Smoke 300V, 60°C 45 Ω Nom. Impedance 66% Velocity of Prop. Conductor DCR (Nom): 14.7 Ω /1000' (48.2 Ω/km)
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TC = Tinned Copper • LSZH = Low Smoke Zero Halogen • PVC = Polyvinyl Chloride

## Audio, Control and Instrumentation Cables

### Individually Shielded Pairs • RS-485



Part No.	Pairs	Color Code	OD (Nom)		Insulation Thickness		Jacket Thickness		Capacitance				Additional Features/Ratings
			Inch	mm	Inch	mm	Inch	mm	Cond. - Cond.		Cond. - Shield		
									pF/Ft	pF/m	pF/Ft	pF/m	

#### 22 AWG • FEP/Flamarrest®

Stranded (7 x 30) TC Conductors • FEP Insulation • Individually Beldfoil® Shielded Pairs • 24 AWG TC Drain Wire • Natural Flamarrest Jacket. Pairs Cabled on a Common Axis to Reduce Diameter.													
82723	2	Black-Red Green-White	.153	3.89	.007	.18	.017	.43	43	141	75	246	Plenum • Non-Conduit NEC: CMP • CEC: CMP FT6 300V 45 Ω Nom. Impedance 66%Velocity of Prop. Conductor DCR (Nom): 14.7 Ω /1000' (48.2 Ω/km)

#### 22 AWG • FEP/FEP

Stranded (7 x 30) TC Conductors • FEP Insulation • Individually Beldfoil Shielded Pairs • 24 AWG TC Drain Wire • Red FEP Jacket. Pairs Cabled on a Common Axis to Reduce Diameter.													
88723	2	Black-Red Green-White	.148	3.76	.007	.18	.014	.36	35	115	67	220	Plenum • Non-Conduit NEC: CMP • CEC: CMP FT6 300V 45 Ω Nom. Impedance 66%Velocity of Prop. Conductor DCR (Nom): 14.7 Ω /1000' (48.2 Ω/km)

#### 22 AWG • FEP/Fluorocopolymer

Stranded (7 x 30) TC Conductors • FEP Insulation • Individually Beldfoil Shielded Pairs • 24 AWG TC Drain Wire • Red Fluorocopolymer Jacket. Pairs Cabled on a Common Axis to Reduce Diameter.													
87723	2	Black-Red Green-White	.148	3.76	.007	.18	.014	.36	35	115	67	220	Plenum • Non-Conduit NEC: CMP • CEC: CMP FT6 300V 45 Ω Nom. Impedance 66%Velocity of Prop. Conductor DCR (Nom): 14.7 Ω /1000' (48.2 Ω/km)

TC = Tinned Copper • FEP = Fluorinated Ethylene Propylene