

REV.	DESCRIPTION	DATE
0	Initial release.	01/03/2003
1	Added min and max dimensions. Updated format.	04/07/2006

**General Properties:**

Controlled impedance, meets SAE J-1939/15, excellent abrasion, temperature and fluid resistance.

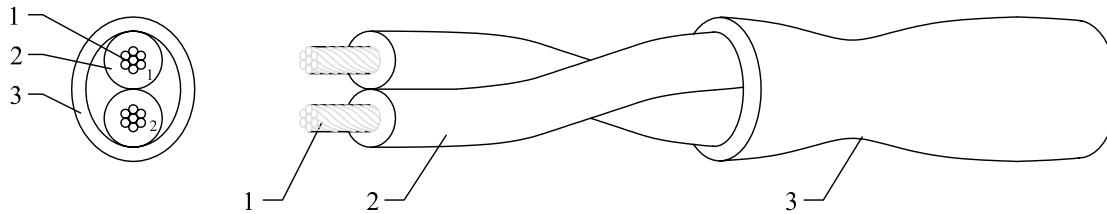
**Application:**

Including but not limited to: Sensors, engine diagnostics, multiplexing network protocol.

**General Composition of Cable:**

**Color Code**

1	Dark Green
2	Yellow
Jacket	Black



**Construction Details:**


		Min.	Nom.	Max.
1. Conductor:	20 AWG 7/28 Bare Copper	0.036"	0.038"	0.040"
		[0.91mm]	[0.97mm]	[1.02mm]
2. Insulation:	EXRAD 150UT, 22 mil [0.56mm] wall nom.	0.079"	0.082"	0.085"
		[2.01mm]	[2.08mm]	[2.16mm]
Cabling:	2 primaries twisted			
	Lay Length: 1.0"-1.5"	0.158"	0.164"	0.170"
		[4.01mm]	[4.17mm]	[4.32mm]
3. Jacket:	EXRAD 125, 20 mil [0.51mm] wall nom.	0.198"	0.204"	0.210"
		[5.03mm]	[5.18mm]	[5.33mm]

Print Legend: CHAMPLAIN RADXL CANBUS SAE J-1939/15-20 MULTIPLEX 12507

Note: Diameter dimensions are taken along the major axis

**Technical Information:**

Voltage Rating: 60 V dc Nominal system voltage  
Temperature Rating: -40 °C to +125 °C  
Designed To: SAE J-1939/15 (Cable) SAE J1128  
Impedance: 120 +/- 12 Ω @ 1 MHz

 <b>CHAMPLAIN CABLE</b> 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		<b>SAE J-1939/15 DATABUS CABLE</b> 20 AWG 7/28 Un-Shielded	
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES <b>DO NOT SCALE THIS DRAWING</b>	DRN.		DATE
Scott Hood		01/03/2003		
CKD.		DATE		DOCUMENT NUMBER
	SIZE	PART NUMBER		
	A	15-07271	12507	
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