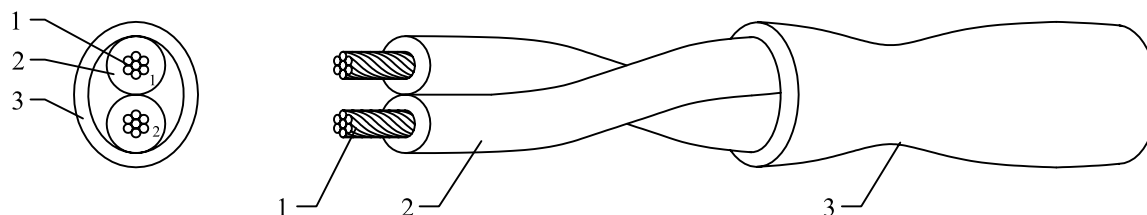| REV.	DESCRIPTION	DATE
0	Initial release.	12/28/2006
1	Added part number.	02/09/2007
2	Increase Cable Diameter	02/28/2007
3	Clarify Insulation, change temp rating	03/23/2007

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" [0.91mm]	0.038" [0.97mm]	0.040" [1.02mm]
2.	Insulation:	Xlinked HDPE w/ skin , 17 mil [0.43mm] wall nom.			0.070" [1.78mm]	0.072" [1.83mm]	0.074" [1.88mm]
	Cabling:	2 primaries twisted	Lay	1.0"-1.5"	0.144"	0.150"	0.156"
			Length:	[25.4-38.1 mm]	[3.65mm]	[3.80mm]	[3.95mm]
3.	Jacket:	RADXL 125, 28 mil [.74mm] wall nom.			0.202" [5.13mm]	0.208" [5.28mm]	0.214" [5.44mm]

Print Legend: CHAMPLAIN RADXL CANBUS 1939/15-20 MULTIPLEX 13028

Note: Diameter dimensions are taken along the major axis

Technical Information:

Voltage Rating: 60 V dc Nominal system voltage
Temperature Rating: -40 ºC to +105 ºC
Impedance: 120 +/- 12 Ω @ 1 MHz

CHAMPLAIN CABLE
175 HERCULES DRIVE
COLCHESTER, VT 05446
802-654-4200

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES
DO NOT SCALE THIS DRAWING

TITLE

1939/15 CANBUS CABLE
20 AWG 7/28 Un-Shielded

DRN. Ken Scherzinger	DATE 12/28/2006
CKD.	DATE

SIZE	PART NUMBER	DOCUMENT NUMBER
A	23-00074-001	13028

PAGE 1 of 1

ETF-011 Owner: RF Business Unit Manager - Approved By: VP of Operations / 27 February 2004