REV	Γ.			DESCRIPTION			DATE	
0	Initial Release.						07/07/2004	
1	Added manufacturing part number and print legend. Verified dimensions.							
2	Revised conductor material from tin plated copper.						12/08/2005	
3	Change Primary insulation material to 150 FX						01/27/06	
<u>General Properties</u> : Controlled impedance, designed to meet electrical requirements of SAE J-1939/11, excellent abrasion, temperature and fluid resistance.								
<u>Application</u> : Including but not limited to: Sensors, engine diagnostics, multiplexing network protocol.								
General Composition of Cable:								
						Color 1 2	<u>Code</u> Green Yellow	
Construction Details:								
	1. Conductor:	18 AWG	19/0.0	092" [0.80 mm <sup>2</sup> 19/.23mm] Bare Copper		0.045" [1.14mm]	OD Nom.	
	2. Insulation:			L 150FX, 46 mil [1.17mm] wall Nom.		0.137" [3.48mm] (		
	3. Filler:	Polypropylene, flame retardant, yellow cord				0.112" [2.84mm] (		
	Cabling:			ted w/ fillers Lay Length: 2.0" [50.8m	ml	0.274" [6.97mm] (		
	4. Drain:	-		Tinned Copper cabled around core	]	0.037" [0.94mm] (		
	5. Shield:	3.0 mil AL/MY, spiral wrapped, 20% overlap, foil in0.007 [0.94mil]						
	6. Jacket:				look	0.352" [8.95mm] (		
						0.332 [8.931111]	OD NOIII.	
	Print Legend: CHAMPLAIN RADXL MOD SAE J-1939/11 18 AWG							
Technical Information:								
	<b>U U</b>			Nominal system voltage				
	1 8			0+125 °C				
	e			939/11 Table 7 (cable)				
	1			C – 100% Test				
				C / 2 Seconds Conductor to Conductor				
	т 1			econds Conductor to Shield				
	Impedance:			1 MHz between the signal wires grounded using 120-Ohm baluns.				
	Specific Capacitance:			productor – 47 pf/m Nom.				
	speeme capacitance.			ield - 69  pf/m Nom.				
			TITLE					
Modified SAE J-1939/11 Databus Cable								
	ALLANDI ALLI AADI P							
175 HERCULES DRIVE			Foamed Primary Design w/ Fillers					
COLCHESTER, VT 05446 802-654-4200			18 AWG Shielded					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES			DRN.		DATE	07/07/000		
			CKD.	Scott Hood	DATE	07/07/2004		
	ARE IN INCHES		CAD.		DATE			
1	DO NOT SCALE THIS DRAW	NG	SIZE	PART NUMBER	DOCUM	IENT NUMBER	0707	
Th	e information on this drawing is the n	roprietary prop	A erty of Cha	23-00065-001 amplain Cable Corporation, and may not be used, reproduce	d or disclos		2707	

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