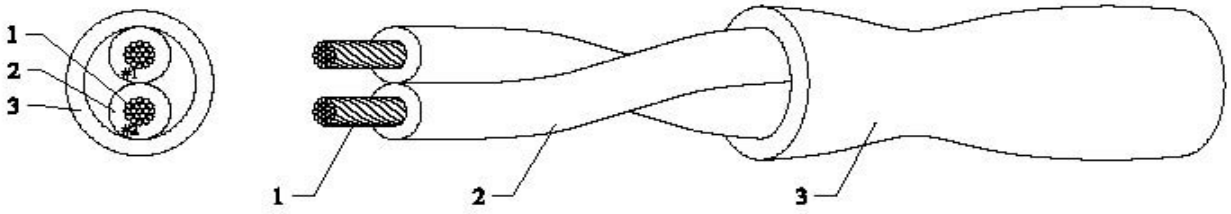
REV.	DESCRIPTION	DATE
0	Initial release	2/17/2006
1	Revised primary wall and print legend	3/10/2006
2	Added part number	4/19/2006
3	Revised jacket diameter	6/16/2006
4	Revised jacket wall	1/26/2007
5	Revised conductor	10/18/2007
6	Renove test data	1/17/2008

General Properties Controlled Impedance, meets J1939/15, excellent abrasion, temperature and fluid resistance

Application Commercial Vehicles

General Composition of Cable See Below



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Primary	
1	Green
2	Yellow
Jacket	Black

Physical Data	Description		Dimensions inches min.	nom.	max.	mm
	Conductor:	18awg (0.8mm^2)19/.23mm bare copper	0.043	0.045	0.046	1.14
1.	Insulation:	EXRAD 150 UT wall thickness: 21 mil	0.084	0.086	0.088	2.16
2.	Cable	Twist 2 conductors with 1.45" nominal lay length	0.162	0.168	0.174	4.32
	Jacket	EXRAD 125 wall thickness: 24 mil	0.209	0.216	0.220	5.49
3.	Print Legend	CHAMPLAIN EXRAD J1939/15 18 AWG MULTIPLEX 12898				

*measured along the wide axis

all other measurements are made with an optical device

Electrical Data	Conductor Resistance::	19.16 mohms/meter @20 C nominal
	Impedance	120 +/- 12 ohms
	Velocity of Propagation	64%
	Designed to:	SAE J-1939/15 (cable) SAE J1128 (primaries)
General Data	Use:	Commercial Vehicles
	Temperature Range:	-40º C to +125º C
	Oil Resistance:	60º C maximum
	Voltage Rating:	60 Volts

CHAMPLAIN CABLE
175 HERCULES DRIVE
COLCHESTER, VT 05446

TITLE

EXRAD SAE J1939/15 18 AWG DATABUS CABLE

	DRN.	DATE	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	Ken Scherzinger	2/17/2006	
	SIZE / PART NUMBER	DOCUMENT NUMBER	
DO NOT SCALE THIS DRAWING	A / 23-00070-001	12898	
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