

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	Remove test data	1/17/2008

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

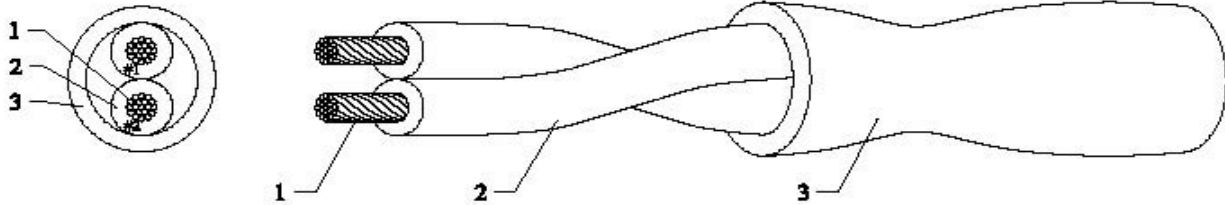
General Properties

Commercial Vehicles

Application

See Below

General Composition of Cable



e	
Primary	
1	Green
2	Yellow
Jacket	Black

Physical Data Description

	Description	Dimensions			mm
		min.	nom.	max.	
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:	-40° C to +125° C
	Oil Resistance:	60° C maximum
	Voltage Rating:	60 Volts



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

PAGE 1 of 1