

REV.	DESCRIPTION	DATE
0	Initial release.	11/14/2008
1	Changed conductor diameter	11/17/2008
3	Change Print Legend	3/31/2009
4	Added Tolerances	8/13/2009
5	Added -001 to the part number	9/24/2009

General Properties

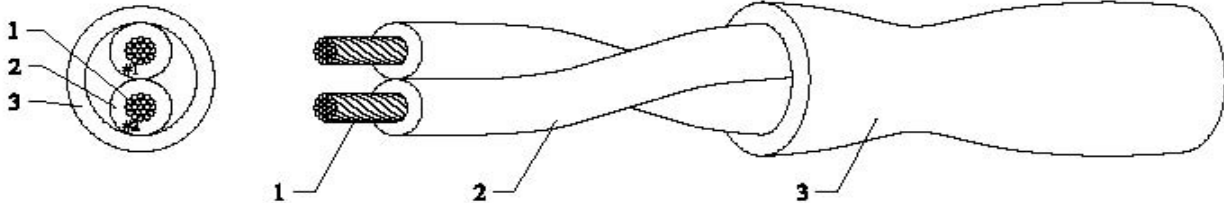
Controlled Impedance, meets J1939/15, excellent abrasion, temperature and fluid resistance

Application

Commercial Vehicles

General Composition of Cable

See Below



Color Code

Primary	
1	Green
2	Yellow
Jacket	
	Black

Physical Data

Description		Dimensions			mm
		inches	min.	nom.	
1. Conductor:	0.8mm ² 19/.23mm bare copper	0.043	0.045	0.046	1.14
2. Insulation:	EXRAD 150 UT wall thickness: 20 mil	0.081	0.085	0.087	2.16
Cable	Twist 2 conductors with 1.45" nominal lay length	0.162	0.170	0.174	4.32
3. Jacket	EXRAD 125 wall thickness: 24 mil	0.209	0.216	0.220	5.49
Print Legend	CHAMPLAIN EXRAD J1939/15 18 AWG MULTIPLEX 13659				
*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%

General Data

Use:	Commercial Vehicles
Temperature Range:	-40° C to +125° C
Oil Resistance:	60° C maximum
Voltage Rating:	60 Volts
Bend Radius:	inches mm
	0.86 22.0



TITLE

SAE J1939/15 18 AWG MULTIPLEX CABLE

**UNLESS OTHERWISE SPECIFIED,
DIMENSIONS AND TOLERANCES
ARE IN INCHES**

DO NOT SCALE THIS DRAWING

DRN.	Rick Antic	DATE	11/14/2008
CKD.		DATE	
SIZE	PART NUMBER	DOCUMENT NUMBER	
A	23-00086-001	13659	

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