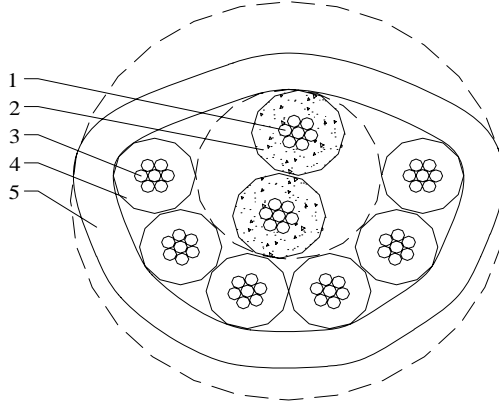


REV.	DESCRIPTION	DATE
0	Initial release.	4/18/2008
1	Added 2 primaries.	4/22/2008
2	Added color code to 6 primaries. Added Print Legend.	4/24/2008
3	Added electrical data, changed title block and voltage.	5/19/2008
4	Revised Voltage Rating	4/1/2009

General Composition of Cable



Color Code	
Twisted Pair	Green
	Yellow
1	TN
2	TN/BK
3	TN/WT
4	WT
5	WT/BK
6	WT/RD
Jacket	Black

Physical Data


Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 22 AWG 7/30 Bare Copper	0.030	0.76
2. Insulation: Radxl-cell: wall thickness: 20 mil [0.51 mm]	0.070	1.78
Cabling J1939 Pair: (2) Primaries Twisted Lay Length: 1.5" nom. Direction: Left	0.140	3.56
3. Conductor: 22 AWG 7/30 Bare Copper	0.030	0.76
4. Insulation: RADXL 150UT: wall thickness: 16 mil [0.51 mm]	0.062	1.57
Cabling Overall: (6) Primaries around Pair Lay Length: 4" nom. Direction: Left	0.230	5.85
5. Jacket: RADXL 125: wall thickness: 30 mil [0.56 mm]	0.290	7.38
Print Legend: Bathium P/N : E0020736-001 XXXXXX XXXXXX = Traceability number		

General Data

Temperature Range:	-40 °C to +125 °C
Voltage Rating:	60 Volts
Designed to:	J1939/15 electrical performance (twisted pair only) SAE Type TXL (6 single lead wires)
Bend Radius:	inches mm 1.75 44

Electrical Data (Twisted Pair Only)

Impedance:	120ohm +/- 12 ohms
Capacitance	12 pf @ 1 MHz (nominal)
Velocity of Propagation:	69% nominal



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		Composite Cable 22 AWG CANBus + (6) 22 AWG TXL	
DRN.	Scott Hood	DATE	4/18/2008
CKD.		DATE	
SIZE	PART NUMBER	DOCUMENT NUMBER	
A	To Be Determined	13554	

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