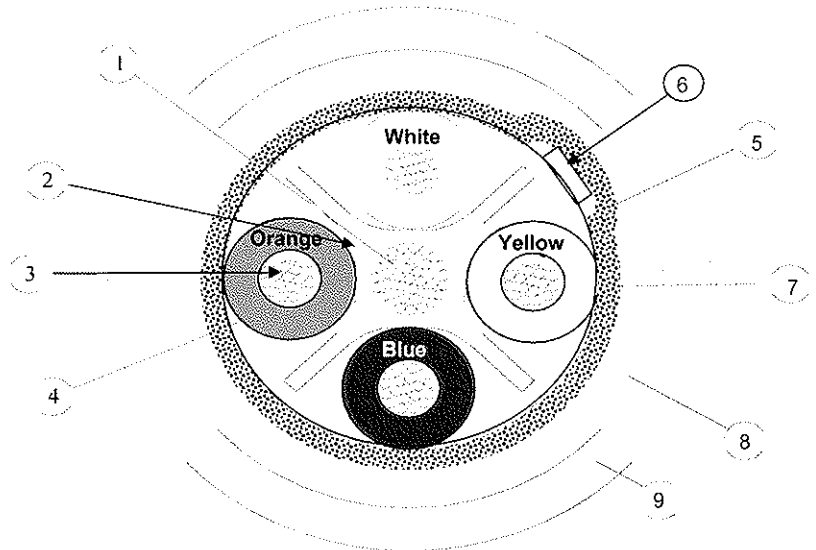


REV.	DESCRIPTION	DATE
1	Change Color Rotation, add VW-1, adjust electrical performance, add PN	6/9/2010
2	Added second jacket for roundness and connector fit	7/15/2010
3	Change Primary Colors	11/15/2010
4	Change ACR requirements	9/14/2010
5	add drain wire and color change and view of cable	12/1/2010
6	acket fusing requirement	12/13/2010



Jacket Black

Physical Data

Description

Dimensions (Nom.)
inches mm

1. Strength member:	Multi-Strand 7X19 1/16" 302/304 Stainless Steel conductor 300 pound minimum break strength	0.064	1.63
2. Crossweb	HDPE		
3. Conductor:	18 AWG 19/.0092" Tinned Copper	0.045	1.14
4. Insulation:	EXRAD 150 UT, .030" wall, meets requirements of SAE J1128 GXL	0.105	2.67
	Cable: (4) primaries around crossweb	0.300	7.62
5. Shield:	2 mil Aluminum/polyester spirally applied	0.305	7.75
6. Drain	Braided 3X40 AWG TC .053" X .014" 24 AWG equivalent		
7. Braid:	36 AWG Tinned copper 85% min coverage	0.325	8.26
8. Inner Jacket:	Extruded EXTRAD XLE, .040" nom wall	0.405	10.30
9. Outer Jacket:	Extruded EXTRAD XLE, .040" nom wall	0.485	12.33

Print

Both jackets to be fused and not readily seperable
Champlain Cable / Molex XXXXX
XXXXX = 5 Character ID number

Technical Data

Temp. Range: -40 °C to +125 °C
Voltage Rating: 300 Volts
Flame Rating: VW-1
Bend Radius: 4x cable diameter - single bend
* Impedance: 100 Ohms +/- 15 Ohms (white/blue) and (orange/yellow)
* ACR: > 10 dB (1 to 31.25 MHz)
Cable Pull Strength: Greater than 300 pounds
* Electrical performance to be monitored during several production lots. Parameters to be adjusted after analyzing data.
Cable rotation must match the drawing when looking at the end of the cable as it is payed off a spool.



175 HERCULES DRIVE
COLCHESTER, VT 05446
802-654-4200

TITLE

**Dataclear Ethernet 100-BaseT2 Cable for OBD
4 Conductor 18 AWG Shielded**

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS AND TOLERANCES
ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	Ken Scherzinger	DATE	2/15/2010
CKD.	Bruce Sinnott	DATE	2/15/2010
SIZE	A	PART NUMBER	15-07774
		DOCUMENT NUMBER	13931

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