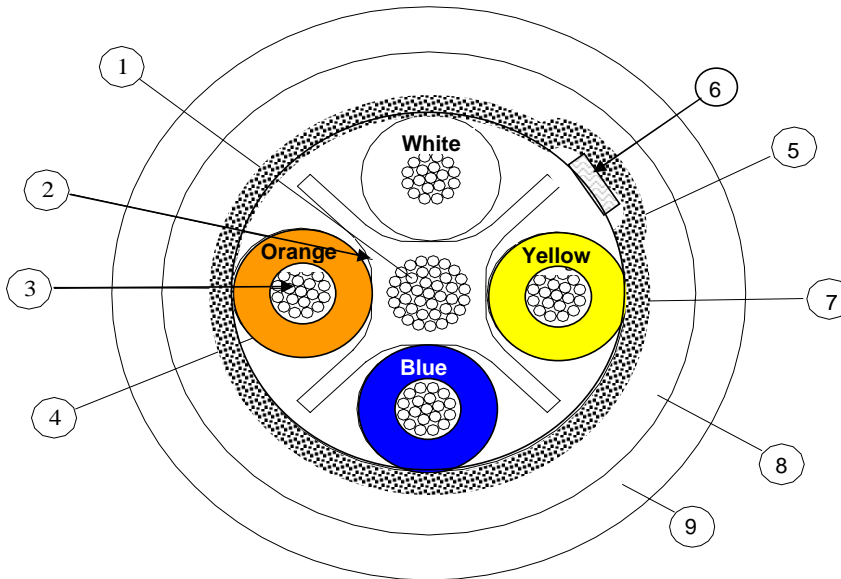


REV.	DESCRIPTION	DATE
1	Change Color Rotation, add VW-1, adjust electrical performance, add PN	6/9/2010
2	Added second jacket for roundness and connector fit	7/15/2010
3	Change Primary Colors	11/15/2010
4	Change ACR requirements	9/14/2010
5	add drain wire and color change and view of cable	12/1/2010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

Both jackets to be fused and not readily separable

Print 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	PART NUMBER	DOCUMENT NUMBER	
A	15-07774	13931	

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