Advanced Digital Cable, Inc.	**Specification Sheet for 16 awg 1 pair 50-2 Traffic Signal Cable**	**Date:**	**2/21/05**
		Part Number:	**8750**
Drawn by:	Customer Approval:	**UL Type:**	**N/A**

Construction Details:

This cable is constructed with one pair composed of 16 awg tinned copper conductors insulated with low density polyethylene. The pair is cabled with an aluminum/polyester tape wrap and a 18 awg tinned copper drain wire. A jacket of black low density polyethylene completes the package.

Physical Specifications

Conductors: 2 – 16 awg (19/29) tinned copper .054"

Dielectric: 30 mil wall of low density polyethylene to a nominal diameter of .114".

Cabling: Cable together two insulated conductors, per the color code, with an overall aluminum/polyester tape – foil out, and a 18 awg (16/30) tinned copper drain in a 3 1/4" left hand lay to a nominal diameter of .232".

Jacket: 30 mil wall of black low density polyethylene to a nominal diameter of .292".

Print: Printed marker tape under jacket.
"**Advanced Digital Cable, Inc. IMSA 50-2 YYYY 600V**"
(Replace YYYY with year of manufacture)

Put Up: Per customer specification.

Color Code

Pair Number	Insulation Color
One	1-Black 1-Clear

Electrical and Mechanical Testing

Conductor: Conforms to ASTM B-33

Insulation: Conforms to IMSA Spec. 50-2 requirements.
Min. average thickness: .030"

Spark Testing: 7,500 volts AC at 1,000 to 3,500 Hertz.

Jacket: Conforms to IMSA Spec. 50-2 requirements.
Min. average thickness: .030"

Dielectric test: 2,500 volts AC at 60 Hertz for 1 minute per UL 83.

Additional Testing: Physical and visual. Continuity and cross testing on each shipping length of finished cable.