

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, & that no right is granted to disclose or to use any information in this document.

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
A	HK	INITIAL RELEASE	3/28/06	IP



TABLE 1

CONNECTOR SIZES	AVERAGE MATING FORCE (POUNDS)
14	5
24	8
36	12
50	15
64	19

CUSTOMER INFORMATION DRAWING

ITEM NO	PART OR IDENTIFICATION NO	NOMENCLATURE OR DESCRIPTION	QTY REQ'D
PARTS LIST			
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.020 .XX +/- 0.010 .XXX +/- 0.005 FRACTIONS +/- ANGLES +/- 1° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (-METRIC-) (-MM-)		APPROVAL DRAWN XS.GUO CHECKED CHECKED	DATE 3/28/06
		Amphenol	
		DRAWING FILE : \\DRAWING\\157\\C157725003448.DWG	
		ANGLE OF PROJECTION 	
		TITLE 50 CONTACT PLUG ASSEMBLY RUNNING CABLE 1-26 END 28 & 26 AWG WIRE, DUST COVER	
		SIZE A3	DRAWING NO. C157-72500-3(448B)
		SCALE NONE	REV. A
		SHEET 1 OF 1	

D
C
B
A

D
C
B
A

#4-40x5/8
SCREW

0.530 REF.
DIA.

0.650
MAX.

1.312
REF.

#4-40 THR'D INSERT

2.947 REF.

0.085 REF.

2.040 REF.

3.781 REF.

SPECIFICATIONS:

- 1) INSULATION DISPLACEMENT CONTACTS: TO ACCOMMODATE 24-26 AWG SOLID AND 26-28 STRANDED CONNECTOR WIRES.
- 2) DIELECTRIC: PBT GLASS FIBER RE-INFORCED, UL-94V0
- 3) CONTACT MATERIAL: COPPER ALLOY
- 4) CONTACT: 30 MICRO-INCHES MIN. GOLD MATING AREA: 3-5 MICRO-INCHES GOLD TERMINAL AREA: 50 MICRO-INCHES MIN. NICKEL UNDERPLATING ALL OVER.
- 5) SHELL MATERIAL: ZINC PLATED STEEL WITH CLEAR CHROMATE COATING
- 6) CURRENT CAPACITY: 5 AMPS/CONTACT
- 7) VOLTAGE RATING: 700 VOLTS D.C. AT SEA LEVEL
200 VOLTS D.C. AT 70,000 FEET
- 8) INSULATION RESISTANCE: >5000 M OHM
- 9) DIELECTRIC WITHSTANDING VOLTAGE: 1200 VAC (RMS) AT SEA LEVEL
- 10) CONNECTOR MATING FORCE: REFER TO TABLE 1.
- 11) CONTACT RETENTION FORCE: 2 LBS MAX.
- 12) DURABILITY: 250 CYCLES MIN.
- 13) VIBRATION: NO INTERRUPTIONS < 1u SEC.
- 14) OPERATING TEMPERATURE: -55°C TO +105°C (-67°F TO +221°F)

XXXX
157-72500-3(448B)
AMPHENOL

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[157725003448B](#)