

PRODUCT NUMBER
SEE NOTE 3

10054999-XXXXXXULF

"DIM L" (NOTE 2, 3 AND 9)

VIEW A

SHT. 2

(14.5 MAX.)
2X

VIEW A

SHT. 2

LABEL
NOTE 5

CABLE
NOTE 3

END P1
DENSI-SHIELD I/O
CONNECTOR
NOTE 11

50mm
NOTE 4

END P2
DENSI-SHIELD I/O
CONNECTOR
NOTE 11

2X (7.50 MAX)

POS. A1

POS. A4

POS. E1

POS. E4

2X 12.2 MAX.

2X (26)

(2X 17.8 MAX.)
LOCKING SCREW VERSION

2X 8.45
MAX

2X (26)

(2X 26.5 MAX)
THUMBSCREW VERSION

LOCKING SCREW VERSION
SEE NOTE 3

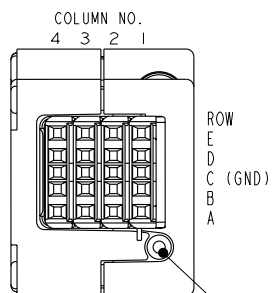
THUMBSCREW VERSION
SEE NOTE 3

rev	ecn no	dr	date
L	V09-0053	DAI	2009-03-24
-	-	-	-
F	M07-0501	AGS	26/11/07
G	M08-0090	AGS	03/27/08
H	M08-0164	AGS	05/06/08
J	M08-0203	AGS	05/09/08
K	M08-0320	AGS	11/05/08

www.fciconnect.com			surface <input checked="" type="checkbox"/>	tolerance std	projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	D. INGRAM	2009-03-24	ANGULAR	LINEAR	0.XX	±0.10	size A4
Eng	J. DUARTE	2009-03-24					Scale 1:2
Chr	J. DUARTE	2009-03-24	0° ±2°				ECN V09-0053
Appr	J. DUARTE	2009-03-24	Product family		C&A	Spec ref	-
FCI			title			dwg no	Rev.
			CABLE ASSEMBLY			10054999	L
			DENSI-SHIELD I/O 8 PAIR			CUSTOMER	
			catalog no			sheet 1 of 4	

PRODUCT NUMBER
SEE NOTE 3

10054999-XXXXXXULF



VIEW A
SCALE 2:1
VIEWED FROM
MATING SIDE

LOCKING SCREW
NOTE 14

PIN OUT/WIRING LIST SEE NOTE 6

END P1

END P2

PIN NUMBER	WIRE ID	PIN NUMBER	WIRE ID
C1-C4	GROUND	C1-C4	GROUND
A1	TN1	E1	RN1
B1	TP1	D1	RP1
D1	RP2	B1	TP2
E1	RN2	A1	TN2
A2	TN6	E2	RN6
B2	TP6	D2	RP6
D2	RP7	B2	TP7
E2	RN7	A2	TN7
A3	TN8	E3	RN8
B3	TP8	D3	RP8
D3	RP3	B3	TP3
E3	RN3	A3	TN3
A4	TN5	E4	RN5
B4	TP5	D4	RP5
D4	RP4	B4	TP4
E4	RN4	A4	TN4

DWx = DRAIN WIRE x
RPx = RECIEVER PAIR x, POSITIVE POLE
RNx = RECIEVER PAIR x, NEGATIVE POLE
TPx = TRANSMITTER PAIR x, POSITIVE POLE
TNx = TRANSMITTER PAIR, NEGATIVE POLE



title
CABLE ASSEMBLY
DENS1-SHIELD I/O 8 PAIR
catalog no

dwg no
10054999

Rev.
L

CUSTOMER sheet 2 of 4

PRODUCT NUMBER
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10054999-XXXXXXULF

NOTES:

1. MATES WITH FCI PART NUMBERS 10044471 SERIES.

- (2.) UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE =
= 1 METER: $\pm 15.0\text{mm}$
> 1 METER TO 10 METER: $\pm 2\%$ OF "DIM L"
> 10 METER: $+0/-4\%$ OF "DIM L"

- (3.) PART NUMBER DESCRIPTION:
10054999 - X XX XX X U LF

WIRE GAGE

N: 26 AWG

P: 28 AWG (NOT TOOLED)

R: 30 AWG

LF: LEAD FREE (NOTE 10)

U: UN-EQUALIZED

HARDWARE TYPE

A: HIGH SPEED VERSION + THUMBSCREWS

B: HIGH SPEED VERSION + TORX SCREW T-5

D: STANDARD VERSION + THUMBSCREWS

E: STANDARD VERSION + TORX SCREW T-5

LENGTH "DIM L" NOTE 9

XXXX: XX METERS, XX CENTIMETERS

EXAMPLES OF LENGTH GIVEN BELOW:

0046 = 00 METERS 46 CENTIMETERS

0500 = 05 METERS 00 CENTIMETERS

EXAMPLE: 10054999-N0046BULF = 26 AWG, 00 METER, 46 CENTIMETERS, HIGH SPEED TORX SCREW T-5, UN-EQUALIZED AND LEAD FREE

- (4.) UNLESS OTHERWISE SPECIFIED LABEL POSITION SHALL BE APPROXIMATELY $50\text{mm} \pm 15\text{mm}$ FROM REAR OF CONNECTOR.

- (5.) UNLESS OTHERWISE SPECIFIED STANDARD LABEL SHALL BE 10081646-002.

LABEL DETAILS;

-MANUFACTURER CODE OR NAME

-CUSTOMER P/N OR FCI P/N

-REVISION

-DATE CODE (WW/YY FORMAT) - SERIAL NUMBER

-COUNTRY ORIGIN

FONT SHALL BE CLEARLY VISABLE AND BLACK IN COLOR.



title CABLE ASSEMBLY
DENSI-SHIELD I/O 8 PAIR
catalog no -

dwg no 10054999

Rev.
L

CUSTOMER sheet 3 of 4

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10054999-XXXXXXULF

NOTES CONTINUED:

6. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST.
7. UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED PER PRODUCT SPECIFICATION: GS-12-314.
8. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-314.
9. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOW ALL PART DETAIL. REFERENCE CONNECTOR ASSEMBLY DRAWINGS FOR COMPLETE DETAILS.
12. PACKAGING PER GLOBAL STANDARD GS-14-1272.
13. MATERIALS:
COVERS: ZINC ALLOY, Cu-Ni-Sn PLATED.
SHEET METAL COVER: COPPER ALLOY
FERRULES: COPPER ALLOY, Ni-Sn PLATED
TERMINAL BLOCK:
- HOUSING: THERMOPLASTIC
- TEMINALS: COPPER ALLOY, FINISH: MIN 0.8um Au ON
Ni-UNDERLAYER IN CONTACT AREA.
- TRANSITION BOARD: FR4 FIBERGLASS FILLED EPOXY.
- LOCKING SCREW: STAINLESS STEEL
- SCREW STOP: TEFLON
14. MAXIMUM APPLICABLE TORQUE ON LOCKING SCREW = 0.3um



title	CABLE ASSEMBLY		dwg no	10054999	Rev L
	DENS1-SHIELD I/O 8 PAIR				
catalog no	-	CUSTOMER	sheet 4 of 4		

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

[10116746-N0600BULF](#) [10099137-N0100BULF](#) [10078310-P0021AULF](#) [10119876-R5000EULF](#) [10119876-R1500EULF](#) [10089103-N0200BULF](#) [10099137-N0200BULF](#) [10057226-001LF](#)