

1

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A

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B

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C

D

D

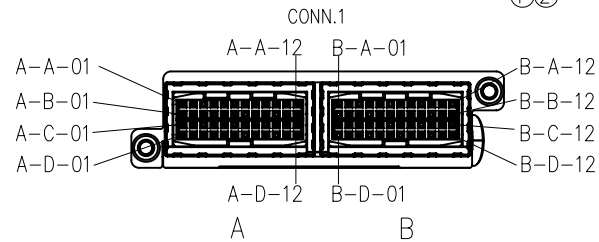
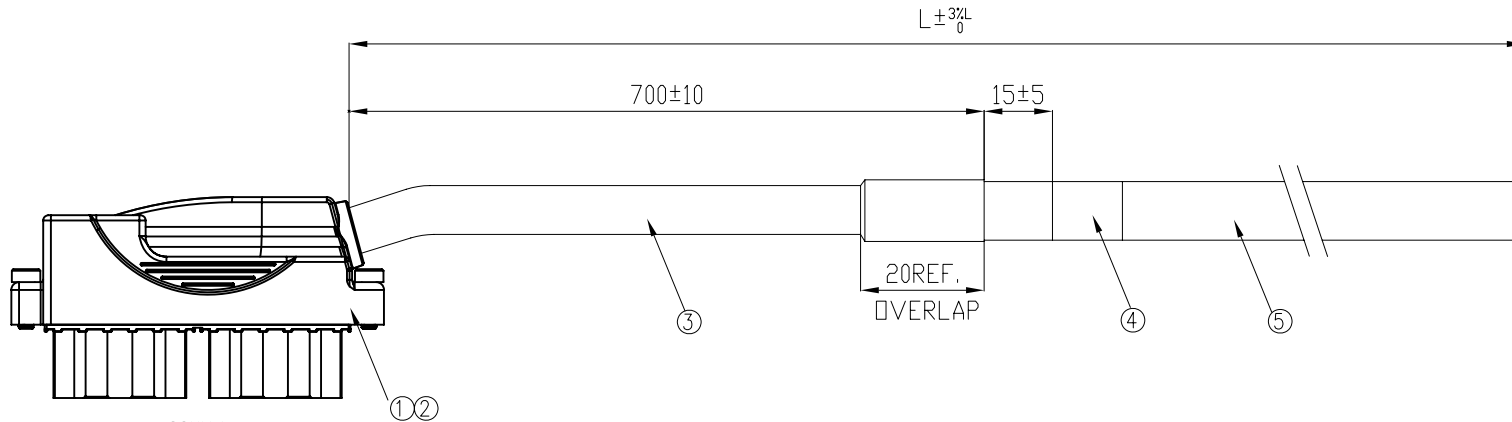


TABLE 1:

FCI P/N	LENGTH(M)
10135839-N0100YYLF	1
10135839-N0250YYLF	2.5
10135839-N0300YYLF	3
10135839-N0500YYLF	5
10135839-N0760YYLF	7.6
10135839-N1000YYLF	10
10135839-N1500YYLF	15
10135839-N2000YYLF	20
10135839-N2500YYLF	25
10135839-N3000YYLF	30
10135839-N3500YYLF	35
10135839-N4000YYLF	40
10135839-N5000YYLF	50
10135839-N6000YYLF	60
10135839-N7100YYLF	71
10135839-N7550YYLF	75.5
10135839-N8000YYLF	80
10135839-N9000YYLF	90
10135839-NAAAAYLF	100
10135839-NAAABYYLF	125
10135839-NAAACYLF	150
10135839-NAAADYYLF	170
10135839-NAAEYYLF	200

rev	ecn no	dr	date
1	-	DONG	10/10/2016

No.	DESCRIPTION	QTY	UNIT
①	96Pos. CONNECTOR	1	PC
②	COPPER FOIL	AR	M
③	H.S.TUBEØ10	AR	M
④	LABEL	1	PC
⑤	32PAIR 26AWG CABLE, 100 Ohms,GRAY JACKET,HALOGEN FREE	AR	M
www.fciconnect.com		surface -	tolerance std -
		TOLERANCES UNLESS OTHERWISE SPECIFIED	
Dr	DONG TANG	10/10/2016	projection
Eng	DONG TANG	10/10/2016	mm
Chr	Casper Lin	10/10/2016	size A3
Appr	Casper Lin	10/10/2016	Scale NTS
Product family		Metral	ECN: -
Spec ref			-
title		32 Pair Metral	Rev. A
Cable Assembly		10135839	
catalog no		-	
CUSTOMER		sheet 1 of 3	

1

2

3

4

WIRE DIAGRAM

ITEM	FUNCTIONAL DESIGNATION	FROM ITEM CONNECTOR	COLOR
01	LINE 01 R	A-A-01	BLUE
02	LINE 01 T	A-A-02	WHITE
03	NC	A-A-03	
04	LINE 05 R	A-A-04	GREY
05	LINE 05 T	A-A-05	WHITE
06	NC	A-A-06	
07	LINE 02 R	A-A-07	ORANGE
08	LINE 02 T	A-A-08	WHITE
09	NC	A-A-09	
10	LINE 06 R	A-A-10	BLUE
11	LINE 06 T	A-A-11	RED
12	NC	A-A-12	
13	NC	A-B-01	
14	LINE 03 R	A-B-02	GREEN
15	LINE 03 T	A-B-03	WHITE
16	NC	A-B-04	
17	LINE 07 R	A-B-05	ORANGE
18	LINE 07 T	A-B-06	RED
19	NC	A-B-07	
20	LINE 04 R	A-B-08	BROWN
21	LINE 04 T	A-B-09	WHITE
22	NC	A-B-10	
23	LINE 08 R	A-B-11	GREEN
24	LINE 08 T	A-B-12	RED
25	LINE 09 R	A-C-01	BROWN
26	LINE 09 T	A-C-02	RED
27	NC	A-C-03	
28	LINE 13 R	A-C-04	GREEN
29	LINE 13 T	A-C-05	BLACK
30	NC	A-C-06	
31	LINE 10 R	A-C-07	GREY
32	LINE 10 T	A-C-08	RED
33	NC	A-C-09	
34	LINE 14 R	A-C-10	BROWN
35	LINE 14 T	A-C-11	BLACK
36	NC	A-C-12	

ITEM	FUNCTIONAL DESIGNATION	FROM ITEM CONNECTOR	COLOR
37	NC	A-D-01	
38	LINE 11 R	A-D-02	BLUE
39	LINE 11 T	A-D-03	BLACK
40	NC	A-D-04	
41	LINE 15 R	A-D-05	GREY
42	LINE 15 T	A-D-06	BLACK
43	NC	A-D-07	
44	LINE 12 R	A-D-08	ORANGE
45	LINE 12 T	A-D-09	BLACK
46	NC	A-D-10	
47	LINE 16 R	A-D-11	BLUE
48	LINE 16 T	A-D-12	YELLOW
49	LINE 17 R	B-A-01	ORANGE
50	LINE 17 T	B-A-02	YELLOW
51	NC	B-A-03	
52	LINE 21 R	B-A-04	BLUE
53	LINE 21 T	B-A-05	WHITE-BLUE
54	NC	B-A-06	
55	LINE 18 R	B-A-07	GREEN
56	LINE 18 T	B-A-08	YELLOW
57	NC	B-A-09	
58	LINE 22 R	B-A-10	ORANGE
59	LINE 22 T	B-A-11	WHITE-BLUE
60	NC	B-A-12	
61	NC	B-B-01	
62	LINE 19 R	B-B-02	BROWN
63	LINE 19 T	B-B-03	YELLOW
64	NC	B-B-04	
65	LINE 23 R	B-B-05	GREEN
66	LINE 23 T	B-B-06	WHITE-BLUE

ITEM	FUNCTIONAL DESIGNATION	FROM ITEM CONNECTOR	COLOR
67	NC	B-B-07	
68	LINE 20 R	B-B-08	GREY
69	LINE 20 T	B-B-09	YELLOW
70	NC	B-B-10	
71	LINE 24 R	B-B-11	BROWN
72	LINE 24 T	B-B-12	WHITE-BLUE
73	LINE 25 R	B-C-01	GREY
74	LINE 25 T	B-C-02	WHITE-BLUE
75	NC	B-C-03	
76	LINE 29 R	B-C-04	BROWN
77	LINE 29 T	B-C-05	RED-BLUE
78	NC	B-C-06	
79	LINE 26 R	B-C-07	BLUE
80	LINE 26 T	B-C-08	RED-BLUE
81	NC	B-C-09	
82	LINE 30 R	B-C-10	GREY
83	LINE 30 T	B-C-11	RED-BLUE
84	NC	B-C-12	
85	NC	B-D-01	
86	LINE 27 R	B-D-02	ORANGE
87	LINE 27 T	B-D-03	RED-BLUE
88	NC	B-D-04	
89	LINE 31 R	B-D-05	BLUE
90	LINE 31 T	B-D-06	BLACK-BLUE
91	NC	B-D-07	
92	LINE 28 R	B-D-08	GREEN
93	LINE 28 T	B-D-09	RED-BLUE
94	NC	B-D-10	
95	LINE 32 R	B-D-11	ORANGE
96	LINE 32 T	B-D-12	BLACK-BLUE

*The overall shield of the cable should be connected to the metal shell of the connectors.

www.fciconnect.com			surface - ☒		tolerance std - -		projection 		mm 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	DONG TANG	10/10/2016	ANGULAR	LINEAR	0.X	±-	size A3	Scale NTS	ECN: -	
Eng	DONG TANG	10/10/2016			0.XX	±-				
Chr	Casper Lin	10/10/2016			0° ±-	0.XXX				
Appr	Casper Lin	10/10/2016	Product family			Metral		Spec ref		-
Amphenol FCI			title 32 Pair Metral			dwg no 10135839			Rev. A	
			catalog no -			CUSTOMER			sheet 2 of 3	

NOTES:

1. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE: $\pm \frac{3\%}{0}$
2. UNLESS OTHERWISE SPECIFIED ,LABEL CONTENT SHALL CONTAINS THE BELOW:
 - 32 Pair 100ohm Assy
 - X.XX meters(See Table 1)
 - YYYYWW(NOTE: YYYY IS YEAR,WW IS WEEK)
3. ALL CABLE ASSEMBLIES SHALL BE TESTED 100% FOR CONTINUITY AS DEFINED IN WIRING LIST
4. UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING DC 300V FOR MINIMUM OF 0.01S,
CONNECTION RESISTANCE : $L \leq 10M$ 5 Ω m; $10M < L \leq 20M$ 10 Ω m; $20M < L \leq 50M$ 20 Ω m;
 $50M < L \leq 100M$ 40 Ω m; $100M < L \leq 150M$ 60 Ω m; $150M < L \leq 200M$ 80 Ω m;
INSULATION RESISTANCE 20 M Ω m. UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
5. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION
6. CABLE ASSEMBLIES SHALL WITHSTAND AN AXIAL LOAD OF 200N AT A RATE OF 25.4mm/Min,
CABLE IS NOT OUT OF METAL COVER.
7. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS
AS DESCRIBED IN GS-47-0004
8. CONNECTOR ASSEMBLIES SHOWN ARE FOR REFERENCE ONLY AND MAY NOT SHOW ALL PART DETAIL.
REFERENCE CONNECTOR ASSEMBLY DRAWING FOR COMPLETE DETAILS.
9. GLOBAL STANDARDS FOR CABLE PACKAGING: GS-14-1093
WE NEED TO BE INDIVIDUALLY PACKAGED IN A ESD(STATIC DISSIPATIVE) PLASTIC BAG
AND BUBBLE PACK IS ALSO STATIC DISSIPATIVE.
10. THIS DIMENSION IS A FINISHED PRODUCT LENGTH
11. H.S.TUBE ON THE BRAID ONLY NEED TO SHRINK IN THE TWO TERMINAL
12. UNLESS OTHERWISE SPECIFIED ,ESD OR WATERPROOF CLEAR BAG LABEL CONTENT SHALL CONTAINS THE BELOW:

FCI P/N



YYYYWW

MADE IN CHINA

www.fciconnect.com			surface - - 		tolerance std - -		projection 		mm 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	DONG TANG	10/10/2016	ANGULAR	LINEAR	0.X	±-	size A3	Scale NTS		
Eng	DONG TANG	10/10/2016			0.XX	±-				
Chr	Casper Lin	10/10/2016			0.XXX	±-				
Appr	Casper Lin	10/10/2016	Product family				Metral	Spec ref -		
		title 32 Pair Metral Cable Assembly				dwg no 10135839		Rev. A		
		catalog no	-				CUSTOMER		sheet 3 of 3	