

PRODUCT NO.	DIM "L"	CABLE	DIM "M"	JACKET COLOR	CABLE DIA. "MM"
10077780-R0300YYLF	3000	COAXIAL(30AWG)	100±10	GRAY	13.5
10077780-R1000YYLF	10000	COAXIAL(30AWG)	100±10	GRAY	13.5
10077780-R2000YYLF	20000	COAXIAL(30AWG)	100±10	GRAY	13.5
10077780-R3000YYLF	30000	COAXIAL(30AWG)	100±10	GRAY	13.5
10077780-N0300YYLF	3000	TWISTED PAIR(26AWG)	20±5	GRAY	10.0
10077780-N1000YYLF	10000	TWISTED PAIR(26AWG)	20±5	GRAY	10.0
10077780-N2000YYLF	20000	TWISTED PAIR(26AWG)	20±5	GRAY	10.0
10077780-N3000YYLF	30000	TWISTED PAIR(26AWG)	20±5	GRAY	10.0
10077780-N5000YYLF	50000	TWISTED PAIR(26AWG)	20±5	GRAY	10.0

NOTES:

1. PRODUCT ELECTRICAL SPECIFICATIONS:

HI-POT TEST:

TWISTED PAIR:500V DC / CURRENT 0.1mA

COAXIAL:250V DC/0.1mA

DIELECTRIC WITHSTANDING VOLTAGE:

TWISTED PAIR: 300V DC / 100MEGE OHMS(CONNECTION RESISTANCE:50 OHMS)

COAXIAL CABLE: 250V / 50 MEGE OHMS(CONNECTION RESISTANCE:50 OHMS)

COAXIAL CABLE: 250V / 20 MEGE OHMS(ONLY FOR 30METERS)(CONNECTION RESISTANCE:50 OHMS)

REQUEST: NO INTERMITTENT

2. ROHS COMPATIBLE

3. IF COAXIAL CABLE, IMPEDANCE REQUEST:75 OHMS

4. IF TWISTED PAIR CABLE, IMPEDANCE REQUEST:120 OHMS

5. COMPONENT

COVER: ZINC ALLOYS DIE CASTING

METRAL SHIELD: STAINLESS STEEL

FERRULE: COPPER ALLOY

GROMMET: PLASTIC UL94V-0

SCREW: STEEL

CABLE: TWISTED PAIR CABLE: 22PAIRS*26AWG

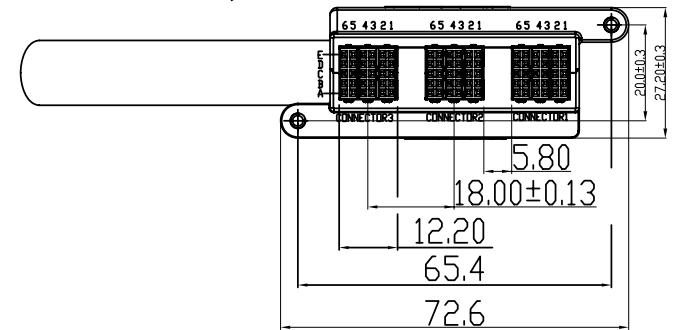
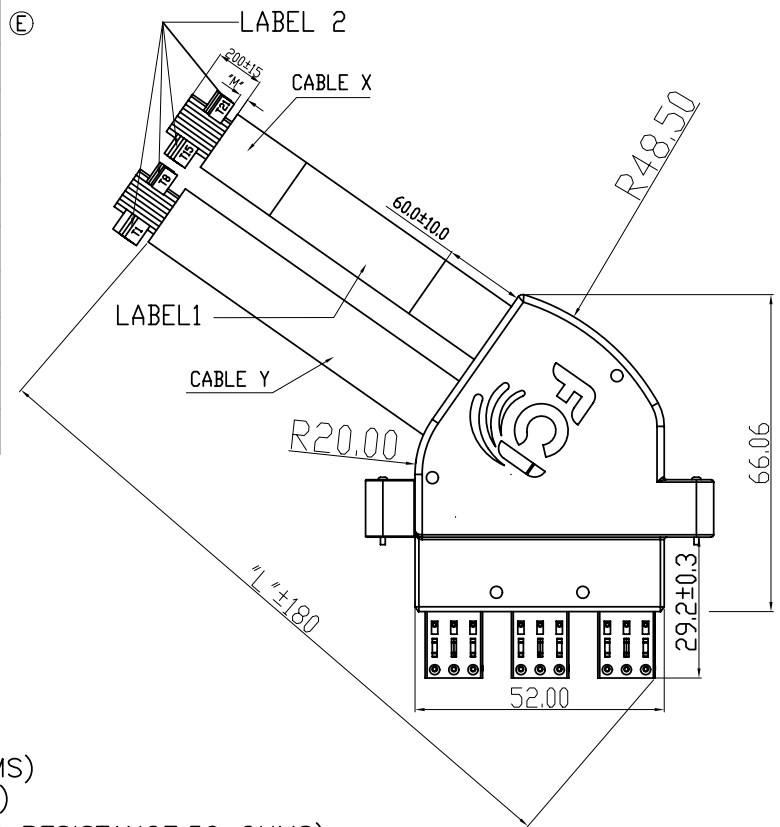
COAXIAL: 21 PCS COAXIAL WIRE*30AWG

TERMINAL BLOCK

INSULATOR: GLASS FIBER 612 POLYAMIDE

TERMINAL: PHOSPHOR BRONZE

6. PACKAGE SPECIFICATION REFER TO GS-14-1215.

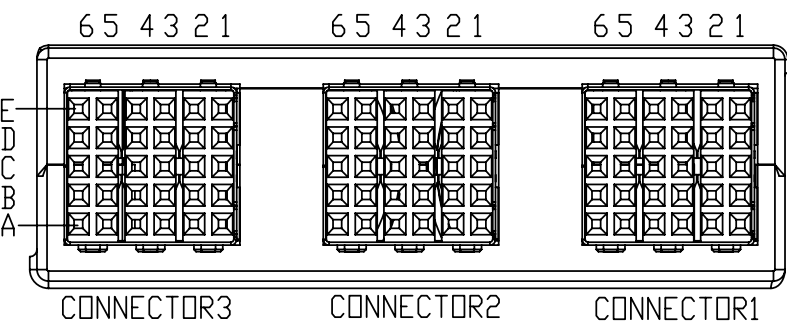
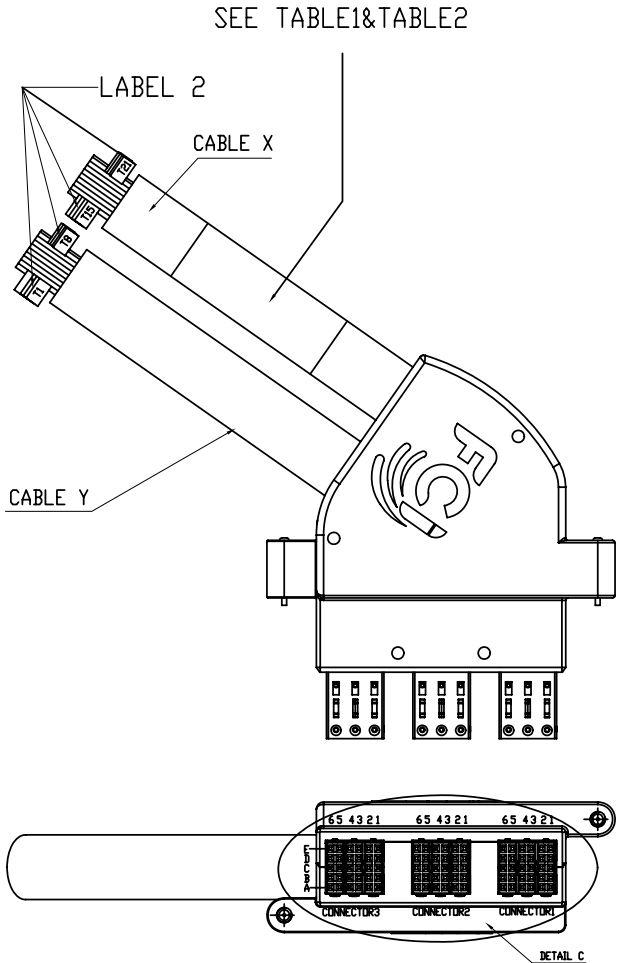


rev	ecn no	dr	date
A	N07-0118	MZ	06/28/07
B	N07-0128	MZ	07/10/07
C	N07-0191	MZ	08/23/07
D	N09-0262	GW	08/17/09
E	ELX-N-18336-1	DONG	07/10/14

www.fciconnect.com			surface - - 		tolerance std - -		projection 		mm 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	TANG DONG	07/10/14	ANGULAR	LINEAR	0.X	±-	size A3	Scale NTS		
Eng	TANG DONG	07/10/14			0.XX	±-				
Chr	DELHLY LIU	07/10/14			0.XXX	±-				
Appr	FRANK MAD	07/10/14	Product family				C&A	Spec ref -		
			title METRAL CABLE ASS'Y FOR TELECOM I/O E1 ACCESS				dwg no 10077780		Rev. E	
catalog no			-				CUSTOMER		sheet 1 of 5	

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DETAIL C

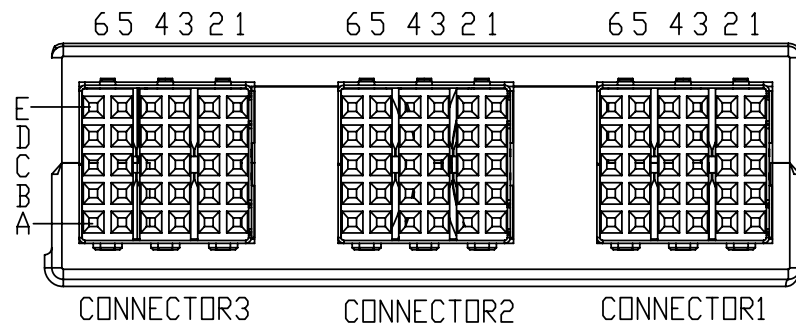
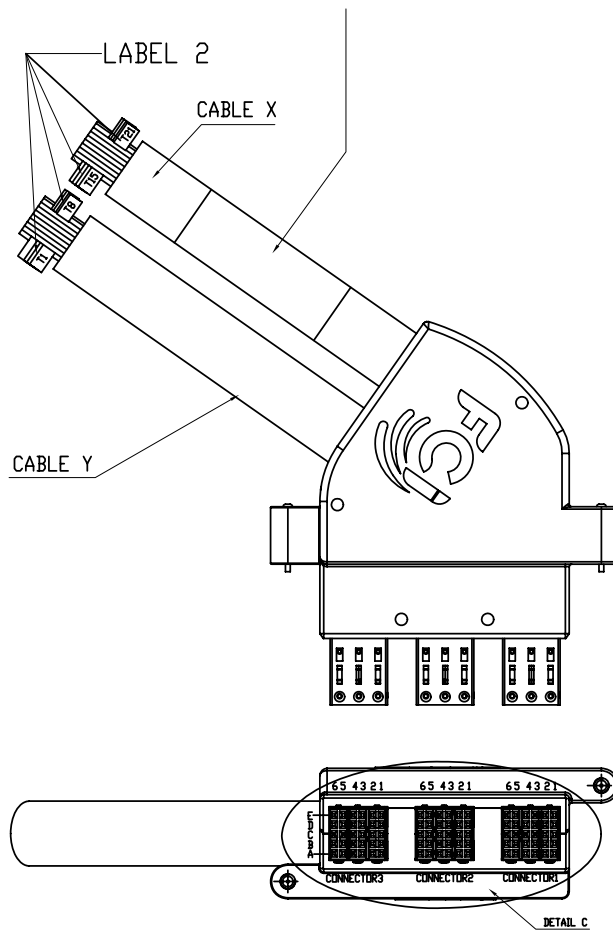
WIRE LIST 1			
CONNECTOR1		PAIR NO.	LABEL 2
PIN NO.	DESCRIPTION		
E6	RED	X-7	T-7
E5	ORANGE		
D6	RED	X-6	T-6
D5	BLUE		
E4	WHITE	X-5	T-5
E3	GRAY		
D4	WHITE	X-4	T-4
D3	BROWN		
C4	WHITE	X-3	T-3
C3	GREEN		
E2	WHITE	X-2	T-2
E1	ORANGE		
D2	WHITE	X-1	T-1
D1	BLUE		
C6	SHORT CIRCUIT		
C5			
B6	YELLOW	X-18	R-7
B5	GREEN		
A6	YELLOW	X-17	R-6
A5	ORANGE		
B4	YELLOW	X-16	R-5
B3	BLUE		
A4	BLACK	X-15	R-4
A3	GRAY		
C2	BLACK	X-14	R-3
C1	BROWN		
B2	BLACK	X-13	R-2
B1	GREEN		
A2	BLACK	X-12	R-1
A1	ORANGE		
COVER	BRAID		

WIRE LIST 2			
CONNECTOR2		PAIR NO.	LABEL 2
PIN NO.	DESCRIPTION		
E6	WHITE	Y-4	T-14
E5	BROWN		
D6	WHITE	Y-3	T-13
D5	GREEN		
E4	WHITE	Y-2	T-12
E3	ORANGE		
D4	BLACK	X-11	T-11
D3	BLUE		
C4	RED	X-10	T-10
C3	GRAY		
E2	RED	X-9	T-9
E1	BROWN		
D2	RED	X-8	T-8
D1	GREEN		
C6	SHORT CIRCUIT		
C5			
B6	BLACK	Y-14	R-14
B5	BROWN		
A6	BLACK	Y-13	R-13
A5	GREEN		
B4	BLACK	Y-12	R-12
B3	ORANGE		
A4	WHITE	Y-1	R-11
A3	BLUE		
C2	PURPLE	X-21	R-10
C1	BLUE		
B2	YELLOW	X-20	R-9
B1	GRAY		
A2	YELLOW	X-19	R-8
A1	BROWN		
COVER	BRAID		

WIRE LIST 3			
CONNECTOR3		PAIR NO.	LABEL 2
PIN NO.	DESCRIPTION		
E6	BLACK	Y-11	T-21
E5	BLUE		
D6	RED	Y-10	T-20
D5	GRAY		
E4	RED	Y-9	T-19
E3	BROWN		
D4	RED	Y-8	T-18
D3	GREEN		
C4	RED	Y-7	T-17
C3	ORANGE		
E2	RED	Y-6	T-16
E1	BLUE		
D2	WHITE	Y-5	T-15
D1	GRAY		
C6	SHORT CIRCUIT		
C5			
B6	PURPLE	Y-21	R-21
B5	BLUE		
A6	YELLOW	Y-20	R-20
A5	GRAY		
B4	YELLOW	Y-19	R-19
B3	BROWN		
A4	YELLOW	Y-18	R-18
A3	GREEN		
C2	YELLOW	Y-17	R-17
C1	ORANGE		
B2	YELLOW	Y-16	R-16
B1	BLUE		
A2	BLACK	Y-15	R-15
A1	GRAY		
COVER	BRAID		

www.fciconnect.com		surface -	tolerance std -	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	TANG DONG	07/10/14	ANGULAR	0.X	±-
Eng	TANG DONG	07/10/14	LINEAR	0.XX	±-
Chr	DELHLY LIU	07/10/14	0° ±-	0.XXX	±-
Appr	FRANK MAD	07/10/14	Product family		C&A Spec ref
FCI		title		dwg no	Rev.
		METRAL CABLE ASS'Y FOR TELECOM		10077780	E
		I/O E1 ACCESS			
		catalog no		CUSTOMER	sheet 2 of 5

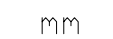
SEE TABLE1&TABLE2



WIRE LIST 1			
CONNECTOR1		PAIR NO.	LABEL2
PIN NO.	DESCRIPTION		
E6	Inner conduct(core)	X-7	T-7
E5	DRAIN WIRE		
D6	Inner conduct(core)	X-6	T-6
D5	DRAIN WIRE		
E4	Inner conduct(core)	X-5	T-5
E3	DRAIN WIRE		
D4	Inner conduct(core)	X-4	T-4
D3	DRAIN WIRE		
C4	Inner conduct(core)	X-3	T-3
C3	DRAIN WIRE		
E2	Inner conduct(core)	X-2	T-2
E1	DRAIN WIRE		
D2	Inner conduct(core)	X-1	T-1
D1	DRAIN WIRE		
C6	SHORT CIRCUIT		
C5			
B6	Inner conduct(core)	X-18	R-7
B5	DRAIN WIRE		
A6	Inner conduct(core)	X-17	R-6
A5	DRAIN WIRE		
B4	Inner conduct(core)	X-16	R-5
B3	DRAIN WIRE		
A4	Inner conduct(core)	X-15	R-4
A3	DRAIN WIRE		
C2	Inner conduct(core)	X-14	R-3
C1	DRAIN WIRE		
B2	Inner conduct(core)	X-13	R-2
B1	DRAIN WIRE		
A2	Inner conduct(core)	X-12	R-1
A1	DRAIN WIRE		
COVER	BRAID		

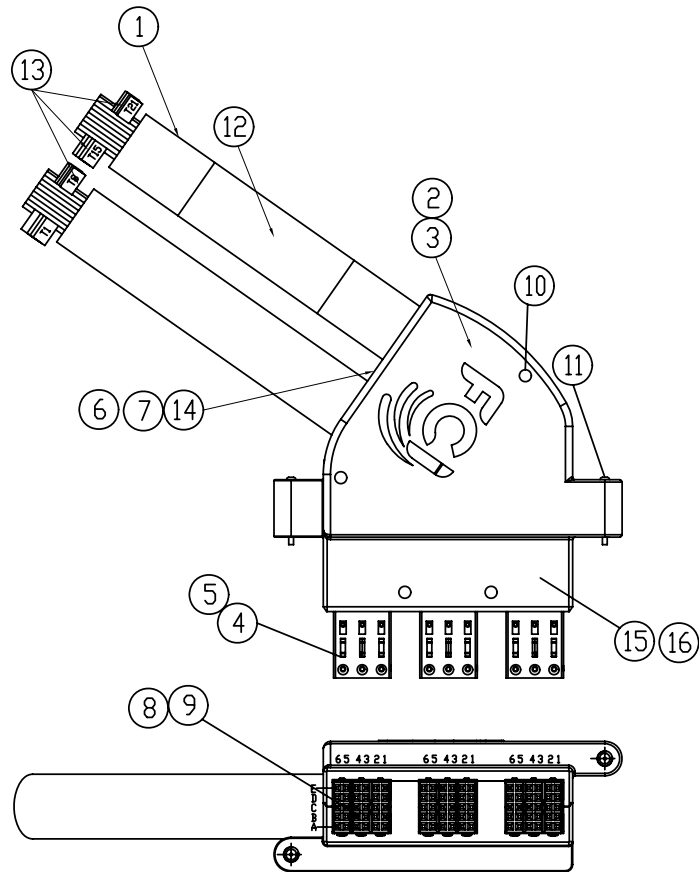
WIRE LIST 2			
CONNECTOR2		PAIR NO.	LABEL2
PIN NO.	DESCRIPTION		
E6	Inner conduct(core)	Y-4	T-14
E5	DRAIN WIRE		
D6	Inner conduct(core)	Y-3	T-13
D5	DRAIN WIRE		
E4	Inner conduct(core)	Y-2	T-12
E3	DRAIN WIRE		
D4	Inner conduct(core)	X-11	T-11
D3	DRAIN WIRE		
C4	Inner conduct(core)	X-10	T-10
C3	DRAIN WIRE		
E2	Inner conduct(core)	X-9	T-9
E1	DRAIN WIRE		
D2	Inner conduct(core)	X-8	T-8
D1	DRAIN WIRE		
C6	SHORT CIRCUIT		
C5			
B6	Inner conduct(core)	Y-14	R-14
B5	DRAIN WIRE		
A6	Inner conduct(core)	Y-13	R-13
A5	DRAIN WIRE		
B4	Inner conduct(core)	Y-12	R-12
B3	DRAIN WIRE		
A4	Inner conduct(core)	Y-1	R-11
A3	DRAIN WIRE		
C2	Inner conduct(core)	X-21	R-10
C1	DRAIN WIRE		
B2	Inner conduct(core)	X-20	R-9
B1	DRAIN WIRE		
A2	Inner conduct(core)	X-19	R-8
A1	DRAIN WIRE		
COVER	BRAID		

WIRE LIST 3			
CONNECTOR3		PAIR NO.	LABEL2
PIN NO.	DESCRIPTION		
E6	Inner conduct(core)	Y-11	T-21
E5	DRAIN WIRE		
D6	Inner conduct(core)	Y-10	T-20
D5	DRAIN WIRE		
E4	Inner conduct(core)	Y-9	T-19
E3	DRAIN WIRE		
D4	Inner conduct(core)	Y-8	T-18
D3	DRAIN WIRE		
C4	Inner conduct(core)	Y-7	T-17
C3	DRAIN WIRE		
E2	Inner conduct(core)	Y-6	T-16
E1	DRAIN WIRE		
D2	Inner conduct(core)	Y-5	T-15
D1	DRAIN WIRE		
C6	SHORT CIRCUIT		
C5			
B6	Inner conduct(core)	Y-21	R-21
B5	DRAIN WIRE		
A6	Inner conduct(core)	Y-20	R-20
A5	DRAIN WIRE		
B4	Inner conduct(core)	Y-19	R-19
B3	DRAIN WIRE		
A4	Inner conduct(core)	Y-18	R-18
A3	DRAIN WIRE		
C2	Inner conduct(core)	Y-17	R-17
C1	DRAIN WIRE		
B2	Inner conduct(core)	Y-16	R-16
B1	DRAIN WIRE		
A2	Inner conduct(core)	Y-15	R-15
A1	DRAIN WIRE		
COVER	BRAID		

www.fciconnect.com			surface - 		tolerance std -						
			TOLERANCES UNLESS		OTHERWISE SPECIFIED						
Dr	TANG DONG	07/10/14	ANGULAR	LINEAR	0.X		±		size A3	Scale NTS	
Eng	TANG DONG	07/10/14			0.XX		±				
Chr	DELHLY LIU	07/10/14			0.XXX		±				
Appr	FRANK MAD	07/10/14	Product family					C&A		Spec ref -	
			title METRAL CABLE ASS'Y FOR TELECOM I/O E1 ACCESS					dwg no 10077780		Rev. E	
			catalog no -					CUSTOMER		sheet 3 of 5	

FOR COAXIAL CABLE ASS'Y ⑤		
ITEM	DESCRIPTION	Q'TY
1	CABLE	AR
2	TOP COVER	1
3	BOTTOM COVER	1
4	SHIELD 1	3
5	SHIELD 2	3
6	FERRULE	2
7	GROMMET	2
8	TERMINAL BLOCK 1	6
9	TERMINAL BLOCK 2	3
10	COVER SCREW	4
11	JACKSCREW	2
12	LABEL 1	1
13	LABEL 2	42
14	COPPER FOIL	AR
15	HEAT SHRINK TUBE(ID:0.6)	AR
16	HEAT SHRINK TUBE(ID: 2.0)	AR

FOR TWISTED PAIR CABLE ASS'Y ⑤		
ITEM	DESCRIPTION	Q'TY
1	CABLE	AR
2	TOP COVER	1
3	BOTTOM COVER	1
4	SHIELD 1	3
5	SHIELD 2	3
6	FERRULE	2
7	GROMMET	2
8	TERMINAL BLOCK 1	6
9	TERMINAL BLOCK 2	3
10	COVER SCREW	4
11	JACKSCREW	2
12	LABEL 1	1
13	LABEL 2	42
14	COPPER FOIL	AR



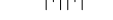
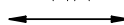
www.fciconnect.com			surface - ☒		tolerance std -		projection 		 mm	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	TANG DONG	07/10/14	ANGULAR	LINEAR	0.X	±-	size	A3	Scale	NTS
Eng	TANG DONG	07/10/14			0.XX	±-				
Chr	DELHLY LIU	07/10/14	0° ±-		0.XXX	±-	ECN No. ELX-N-18336-1			
Appr	FRANK MAD	07/10/14	Product family				C&A	Spec ref -		
			title				dwg no		Rev.	
			METRAL CABLE ASS'Y FOR TELECOM I/O E1 ACCESS				10077780		E	
			catalog no -				CUSTOMER		sheet 4 of 5	

TABLE1 FOR TWIST PAIR

CONTENT OF LABEL						
LENGTH (FCI P/N)	FOR 10 M LONG (10077780-N1000YYLF)	FOR 20 M LONG (10077780-N2000YYLF)	FOR 30 M LONG (10077780-N3000YYLF)	FOR 3 M LONG (10077780-N0300YYLF)	FOR 50 M LONG (10077780-N5000YYLF)	FOR 15 M LONG (10077780-N1500YYLF)
LABEL CONTENT	400-30-50243(2) V42256-T55-A100 120 OHMS YYYY MM DD	400-30-502**(2) V42256-T55-A200 120 OHMS YYYY MM DD	400-30-50245(2) V42256-T55-A300 120 OHMS YYYY MM DD	400-30-50255(2) V42256-T55-A*** 120 OHMS YYYY MM DD	400-30-*(2) V42256-T55-A500 120 OHMS YYYY MM DD	400-30-*(2) V42256-T55-A* 120 OHMS YYYY MM DD

TABLE2 FOR COAXIAL

CONTENT OF LABEL					
LENGTH (FCI P/N)	FOR 10M LONG (10077780-R1000YYLF)	FOR 20M LONG (10077780-R2000YYLF)	FOR 30M LONG (10077780-R3000YYLF)	FOR 3 M LONG (10077780-R0300YYLF)	FOR 12 M LONG (10077780-R1200YYLF)
LABEL CONTENT	400-30-50242(2) V42256-T54-A100 75 OHMS YYYY MM DD	400-30-502**(2) V42256-T54-A200 75 OHMS YYYY MM DD	400-30-50244(2) V42256-T54-A300 75 OHMS YYYY MM DD	400-30-50254(2) V42256-T54-A*** 75 OHMS YYYY MM DD	400-30-*(2) V42256-T54-A*** 75 OHMS YYYY MM DD

www.fciconnect.com			surface - ☒ -		tolerance std - -		projection 		mm 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	TANG DONG	07/10/14	ANGULAR		0.X		±-		size A3	
Eng	TANG DONG	07/10/14	LINEAR		0.XX		±-		Scale NTS	
Chr	DELHLY LIU	07/10/14	0° ±'		0.XXX		±-		ECN No. ELX-N-18336-1	
Appr	FRANK MAD	07/10/14	Product family			C&A			Spec ref -	
			title METRAL CABLE ASS'Y FOR TELECOM I/O E1 ACCESS				dwg no 10077780		Rev. E	
			catalog no -				CUSTOMER		sheet 5 of 5	