



- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: N/A

B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₃ : ADD SOLDERING CONDITION	07/09/27
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL
 EC NO: THL2008-0015
 DRWN: CPANSAKHOM 2007/11/28
 CHKD: DNARINTARA 2007/11/29
 APPR: SVIRATJAPOL 2007/12/04

QUALITY SYMBOLS	DESCRIPTION
▽=3	
▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm INCH
4 PLACES	± --- ± ---
3 PLACES	± --- ± ---
2 PLACES	± --- ± ---
1 PLACE	± --- ± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/07/18
CHECKED BY	DATE
PMEECHAI	2006/07/18
APPROVED BY	DATE
SVIRATJAPOL	2006/07/18
MATERIAL NO.	
SEE CHART	
SIZE	
A 4	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-8867-001	1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 2.54 (.100") C TO C
 WIRE GAUGE ----- 22 AWG(7/30) STRANDED TOPCOATED
 INSULATION ----- P.V.C GRAY (LEAD FREE)

AGENCY

U.L. STYLE NO. ----- 2651
 TEMPERATURE RATING ----- -20°C TO 105°C
 VOLTAGE RATING ----- 300V.MAX.
 FLAMMABILITY RATING ----- VW-1

ELECTRICAL

CONDUCTOR RESISTANCE (D.C.) ----- 17 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE ----- 128 OHMS NOM. (GS)
 ----- 104 OHMS NOM. (GSG)
 CAPACITANCE ----- 7.2 pF/FT. NOM. (GS)
 ----- 13.4 pF/FT. NOM. (GSG)
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.
 INSULATION RESISTANCE ----- 10 M OHMS (10FT. SAMPLE)
 DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE

GENERAL

$\triangle B_2$ NON-OPERATING TEMPERATURE ----- -20°C TO 105°C
 FAULTS AND/OR SPLICES ----- 1/REEL MAX. 100 $^{+3}_0$ FT. (30.48 $^{+0.914}_0$ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

$\triangle B_1$ SOLDERING CONDITION

SOLDER TEMPERATURE ----- -260°C. MAX.
 SOLDERING TIME ----- 3 SECOND, MAX.
 INSULATION SHRINK ----- 2MM. NOM

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SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	$\blacktriangledown =$ $\triangle C =$	mm	INCH	MM/IN	NTS	INCH	DRAWN BY CPANSAKHOM DATE 2006/07/18 CHECKED BY DATE PMEECHAI 2006/07/18 APPROVED BY DATE SVIRATJAPOL 2006/07/18		
		4 PLACES \pm ----	\pm ----			TITLE			
		3 PLACES \pm ----	\pm ----			MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
		2 PLACES \pm ----	\pm ----			SEE CHART	SD-8867-001	2 OF 3	
1 PLACE \pm ----	\pm ----			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

7 6 5 4 3 2 1

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CHART A				SHIPPED ON		
DIMENSIONS MM. (INCHES)				100 FT. REELS		
ENG. NO.	NO.OF COND.	DIMENSION S		DIM. W (REF)	ENGINEERING NO.	ORDER NO.
8867-02	2	2.54±0.127	(.100±.005)	5.08 (.200)	8867-02-100B	82-22-6002
8867-03	3	5.08±0.20	(.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03
8867-04	4	7.62±0.30	(.300±.012)	10.16 (.400)	▲ -04- ▲	▲ 04
8867-05	5	10.16±0.33	(.400±.013)	12.70 (.500)	▲ -05- ▲	▲ 05
8867-06	6	12.70±0.33	(.500±.013)	15.24 (.600)	▲ -06- ▲	▲ 06
8867-07	7	15.24±0.33	(.600±.013)	17.78 (.700)	▲ -07- ▲	▲ 07
8867-08	8	17.78±0.33	(.700±.013)	20.32 (.800)	▲ -08- ▲	▲ 08
8867-09	9	20.32±0.33	(.800±.013)	22.86 (.900)	▲ -09- ▲	▲ 09
8867-10	10	22.86±0.33	(.900±.013)	25.40 (1.000)	▲ -10- ▲	▲ 10
8867-11	11	25.40±0.33	(1.000±.013)	27.94 (1.100)	▲ -11- ▲	▲ 11
8867-12	12	27.94±0.33	(1.100±.013)	30.48 (1.200)	▲ -12- ▲	▲ 12
8867-13	13	30.48±0.33	(1.200±.013)	33.02 (1.300)	▲ -13- ▲	▲ 13
8867-14	14	33.02±0.33	(1.300±.013)	35.56 (1.400)	▲ -14- ▲	▲ 14
8867-15	15	35.56±0.33	(1.400±.013)	38.10 (1.500)	▲ -15- ▲	▲ 15
8867-16	16	38.10±0.33	(1.500±.013)	40.64 (1.600)	▲ -16- ▲	▲ 16
8867-17	17	40.64±0.33	(1.600±.013)	43.18 (1.700)	▲ -17- ▲	▲ 17
8867-18	18	43.18±0.33	(1.700±.013)	45.72 (1.800)	▲ -18- ▲	▲ 18
8867-19	19	45.72±0.33	(1.800±.013)	48.26 (1.900)	▲ -19- ▲	▲ 19
8867-20	20	48.26±0.33	(1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20

ENGINEERING NO.

8867-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 22 AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M).

D : A = INCHES

B = FEET

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▼ = ▽ =	mm	INCH	MM/IN	NTS	INCH	DRAWN BY DATE CPANSAKHOM 2006/07/18 CHECKED BY DATE PREECHAI 2006/07/18 APPROVED BY DATE SVIRATJAPOL 2006/07/18
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	TITLE	
	DESCRIPTION	ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.	
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-8867-001		3 OF 3

FCB ROUND CONDUCTOR
2.54MM(.100)CENTER PVC.
22AWG STRANDED TOPCOATED

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