



- 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

SEE CHANGE DETAIL		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: THL2008-0015		=3		mm INCH		MM/IN		NTS		INCH		N/A	
DRWN: CPANSAKHOM 2007/11/28		=0		4 PLACES ± --- ± ---		DRAWN BY DATE		CPANSAKHOM 2006/07/18		TITLE		FCB ROUND CONDUCTOR	
CHKD: DNARINTARA 2007/11/29				3 PLACES ± --- ± ---		CHECKED BY DATE		PMEECHA I 2006/07/18		22AWG STRANDED TOPCOATED			
APPR: SVIRATJAPOL 2007/12/04				2 PLACES ± --- ± ---		APPROVED BY DATE		SVIRATJAPOL 2006/07/18		MOLEX MOLEX INCORPORATED			
				1 PLACE ± --- ± ---		MATERIAL NO.		SEE CHART		DOCUMENT NO.		SD-8867-001	
				ANGULAR ± --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 3	
REV. HISTORY		REV		DESCRIPTION		DATE							
A		B											
B		E-07-0748		B <sub>2</sub> : ADD NON-OPERATING TEMP. B <sub>3</sub> : ADD SOLDERING CONDITION		07/09/27							
A		N/A		NEW RELEASE		06/07/18							
REV. HISTORY		EC NO.		DETAIL		DATE							

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 2.54 (.100")  $\text{C}$  TO  $\text{C}$   
 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	DESCRIPTION REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		$\nabla =$ $\triangle C =$		mm	INCH	MM/IN		NTS	INCH			
		4 PLACES	$\pm$ ----	$\pm$ ----	DRAWN BY		DATE		TITLE			
		3 PLACES	$\pm$ ----	$\pm$ ----	CPANSAKHOM		2006/07/18		FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED			
		2 PLACES	$\pm$ ----	$\pm$ ----	CHECKED BY		DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.			
1 PLACE	$\pm$ ----	$\pm$ ----	PMEECHAI		2006/07/18		MATERIAL NO.		SD-8867-001		2 OF 3	
ANGULAR $\pm$ ----			APPROVED BY		DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.					
			SVIRATJAPOL		2006/07/18		MATERIAL NO. DOCUMENT NO. SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART				MATERIAL NO. DOCUMENT NO. SHEET NO.					
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			A 4									

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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

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	▼ = ◻ =	mm	INCH	MM/IN	NTS	INCH	FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED MOLEX INCORPORATED
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		2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	CPANSAKHOM	2006/07/18		
		ANGULAR ± ---°		CHECKED BY	DATE		
DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
REV			SVIRATJAPOL	2006/07/18	SEE CHART	SD-8867-001	3 OF 3