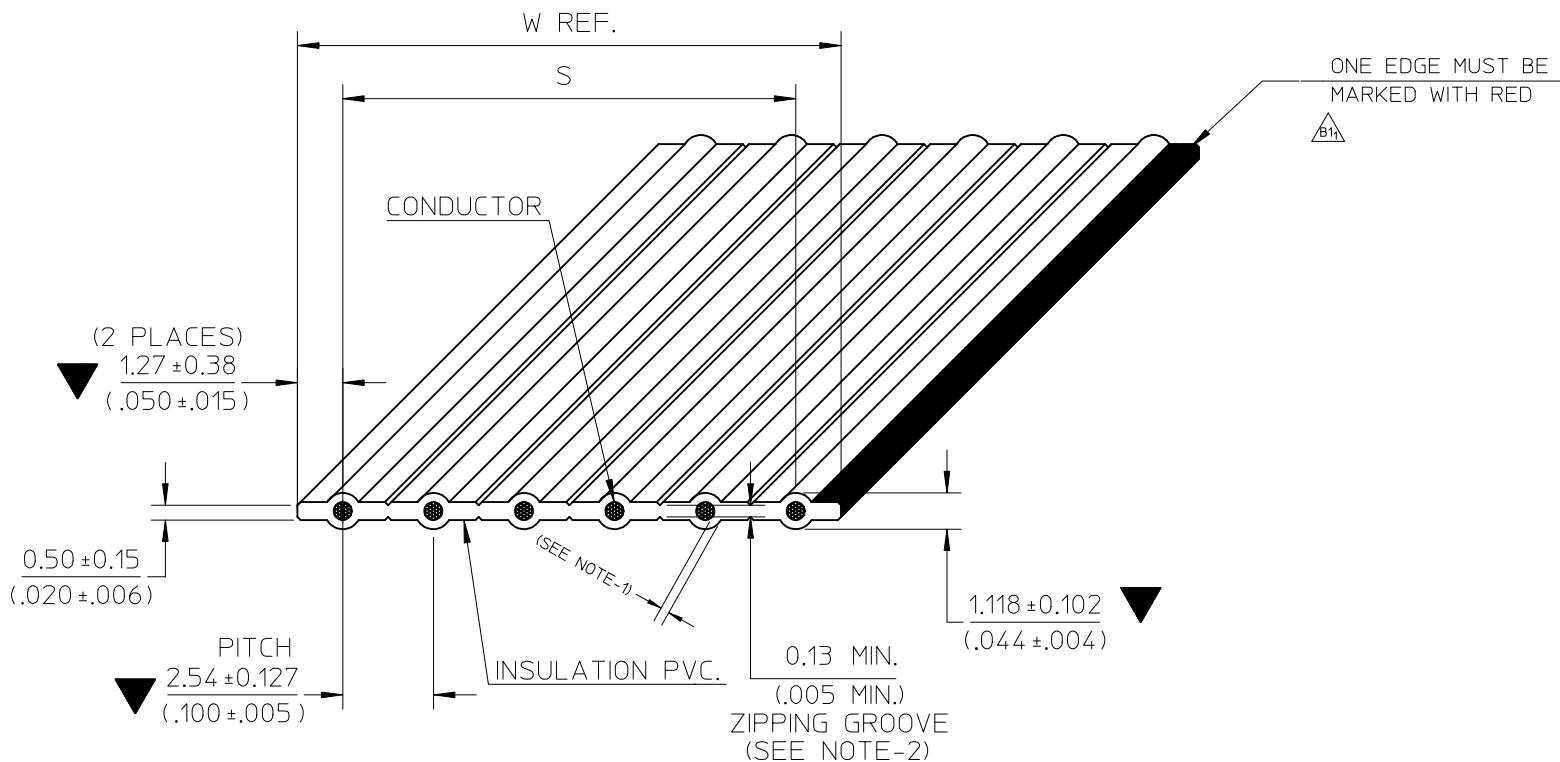




- NOTE :
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: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

PRODUCT APPLICATION	
☒	GENERAL USE
☐	AUTOMOTIVE
☐	MEDICAL DEVICE

B1	E-10-0371	B1 ₁ : REMOVE REELS MFG. IN NOG.	2010/10/08
B	E-07-0748	B ₄ : ADD NON-OPERATING TEMP.	2007/09/26
		B ₃ : ADD SOLDERING CONDITION	
		B ₂ : CHANGE ELECTRICAL	
		B ₁ : CHANGE WEB THICKNESS	
A	N/A	NEW RELEASE	2006/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL
 EC NO: THL2011-0054
 DRWN: CPANSAKHOM 2010/10/08
 CHKD: PMEECHAI 2011/01/25
 APPR: SVIRAT JAPOL 2011/03/31

QUALITY SYMBOLS
 $\nabla=3$
 $\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ ---	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---

ANGULAR $\pm$ ---°

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
SVIRAT JAPOL	2006/07/18
MATERIAL NO.	

SCALE
 NTS

DESIGN UNITS
 INCH

THIRD ANGLE PROJECTION

TITLE
 FCB ROUND CONDUCTOR
 2.54MM(.100)CENTER PVC.
 24AWG STRANDED TOPCOATED

MOLEX INCORPORATED

DOCUMENT NO. SD-8997-001 SHEET NO. 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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SPECIFICATIONSPHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.54 (.100") $\varnothing$ TO $\varnothing$
 WIRE GAUGE _ _ _ _ _ 24 AWG(7/32) 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.) _ _ _ _ _ 27m. OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE _ _ _ _ _ 134 OHMS NOM. (GS)
 114 OHMS NOM. (GSG)
 CAPACITANCE _ _ _ _ _ 6.6 pF/FT. NOM. (GS)
 12.0 pF/FT. NOM. (GSG)
 PROPAGATION DELAY _ _ _ _ _ 1.4 ns/FT. NOM.
 INSULATION RESISTANCE _ _ _ _ _ 10M OHMS (10FT. SAMPLE)
 DIELECTRIC WITHSTAND VOLTAGE _ _ _ _ _ 2000 VRMS/MINUTE

GENERAL

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

SOLDERING CONDITION

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

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/10/08 CHKD:PMEECHAI 2011/01/25 APPR:SVIRATJAPOL 2011/03/31	QUALITY SYMBOLS  =  =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED  MOLEX INCORPORATED	
		4 PLACES	±---	±---	CHECKED BY PMEECHAI	DATE 2006/07/18		
		3 PLACES	±---	±---	APPROVED BY SVIRATJAPOL	DATE 2006/07/18		
		2 PLACES	±---	±---	MATERIAL NO.	DOCUMENT NO.		
			1 PLACE	±---	±---	ANGULAR ±---°		
B1	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-8997-001		SHEET NO. 2 OF 3

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CHART A

DIMENSIONS MM. (INCHES)

ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
8997-02-100B	82-24-5902	2	2.54±0.127(.100±.005)	5.08 (.200)
▲ -03- ▲	▲ 03	3	5.08±0.20 (.200±.008)	7.62 (.300)
-04-	04	4	7.62±0.30 (.300±.012)	10.16 (.400)
-05-	05	5	10.16±0.33 (.400±.013)	12.70 (.500)
-06-	06	6	12.70±0.33 (.500±.013)	15.24 (.600)
-07-	07	7	15.24±0.33 (.600±.013)	17.78 (.700)
-08-	08	8	17.78±0.33 (.700±.013)	20.32 (.800)
-09-	09	9	20.32±0.33 (.800±.013)	22.86 (.900)
-10-	10	10	22.86±0.33 (.900±.013)	25.40 (1.000)
-11-	11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)
-12-	12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)
-13-	13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)
-14-	14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)
-15-	15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)
-16-	16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)
-17-	17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)
-18-	18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)
▼ -19- ▼	▼ 19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)
8997-20-100B	82-24-5920	20	48.26±0.33 (1.900±.013)	50.80 (2.000)

ENGINEERING NO.

8997-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 24AWG 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: THL2011-0054
DRWN:CPANSAKHOM 2010/10/08
CHKD:PMEECHAI 2011/01/25
APPR:SVIRATJAPOL 2011/03/31

QUALITY SYMBOLS
▼ =
▽ =

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 4SCALE
NTSDESIGN UNITS
INCH
 THIRD ANGLE PROJECTION

TITLE
FCB ROUND CONDUCTOR
2.54MM(.100)CENTER PVC.
24AWG STRANDED TOPCOATED

 MOLEX INCORPORATED

DOCUMENT NO.

SD-8997-001

SHEET NO.

3 OF 3

6

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