

7 6 5 4 3 2 1

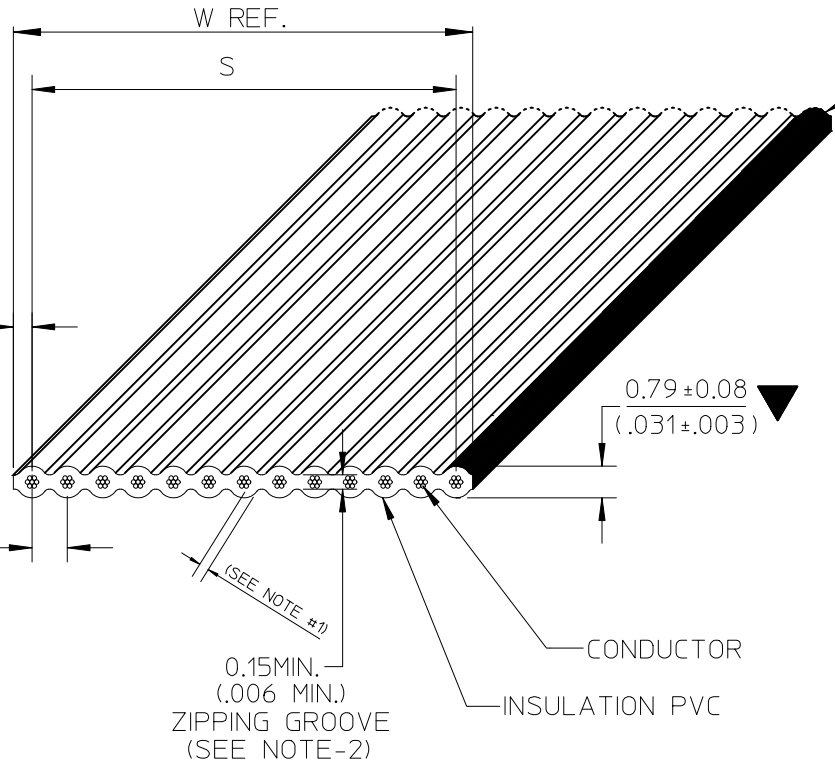
E

D

C

B

A



ONE EDGE MUST BE MARKED WITH RED



(2 PLACES)  
 $0.50 \pm 0.18$   
(.020 ± .007)  
C<sub>2</sub>

PITCH  
 $1.00 \pm 0.08$   
(.039 ± .003)

$0.79 \pm 0.08$   
(.031 ± .003)

(SEE NOTE #1)

- NOTE :
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
  2. RIP TEST:
    - THE 0.15mm. (.006") 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	
<input checked="" type="checkbox"/>	GENERAL USE
<input type="checkbox"/>	AUTOMOTIVE
<input type="checkbox"/>	MEDICAL DEVICE

SEE CHANGE DETAIL.  
EC NO: THL2011-0054  
DRWN:CPANSAKHOM 2010/11/15  
CHKD:PMEECHAI 2011/01/25  
APPR:SVIRATJAPOL 2011/03/31

QUALITY SYMBOLS  
▽=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	2006/07/10
CHECKED BY	DATE
PMEECHAI	2006/07/10
APPROVED BY	DATE
SVIRATJAPOL	2006/07/10
MATERIAL NO.	
SEE CHART	

SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED		
DOCUMENT NO. SD-24500-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

C	E-10-0371	C <sub>3</sub> : ADD ELECTRICAL SPEC. C <sub>2</sub> : CHANGE DIMENSION.	2011/01/25
B	E-07-0748	C <sub>1</sub> : REMOVE REELS MFG. IN NOG. B <sub>1</sub> : ADD NON-OPERATING TEMP.	2007/11/22
A	N/A	NEW RELEASE.	2006/07/10
REV. HISTORY	EC NO.	DETAIL	DATE

6 5 4 3 2 1

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 1.00(.039")  $\overline{C}_L$  TO  $\overline{C}_L$   
 WIRE GAUGE ----- 28 AWG(7/36) STRANDED TINNED  
 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.) ----- 68 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE ----- 112 OHMS NOM. (GS)  
 ----- 83 OHMS NOM. (GSG)  
 CAPACITANCE ----- 11.8 pF/FT. NOM. (GS)  
 ----- 18.3 pF/FT. NOM. (GSG)  
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.  
 INSULATION RESISTANCE ----- 10M OHMS (10FT. SAMPLE)  
 DIELECTRIC WITHSTAND VOLTAGE ----- 1500 VRMS/MINUTE

GENERAL

NON-OPERATING TEMPERATURE ----- -20°C TO 105°C  
 FAULTS AND/OR SPLICES ----- 1/REEL MAX. 100<sup>+3</sup><sub>0</sub> FT. (30.48<sup>+0.914</sup><sub>0</sub> M.)/REEL  
 ----- 20FT. (6.096M.) MIN. LENGTH

SEE CHANGE DETAIL. EC NO: THL2011-0054 DRWN: CPANSAKHOM 2010/11/15 CHKD: PREECHAI 2011/01/25 APPR: SVIRATJAPOL 2011/03/31	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		▼ = ▽ =	mm	INCH	MM/IN	NTS	INCH	TITLE FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED				
			4 PLACES ± ---	± ---	DATE	DATE	MOLEX MOLEX INCORPORATED					
			3 PLACES ± ---	± ---	CPANSAKHOM 2006/07/10	PMEECHAI 2006/07/10						DOCUMENT NO. SD-24500-001
			2 PLACES ± ---	± ---	CHECKED BY	DATE	SHEET NO. 2 OF 3					
1 PLACE ± ---	± ---	APPROVED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							MATERIAL NO. SEE CHART			

CHART A				
DIMENSIONS MM. (INCHES)				
ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
24500-10-100B	82-28-3010	10	9.00±0.18 (.354±.007)	10.00 (.394)
↑ -20- ↑	↑ 20	20	19.00±0.23 (.748±.009)	20.00 (.787)
↑ -24- ↑	↑ 24	24	23.00±0.23 (.906±.009)	24.00 (.945)
↑ -26- ↑	↑ 26	26	25.00±0.23 (.984±.009)	26.00 (1.024)
↑ -30- ↑	↑ 30	30	29.00±0.28 (1.142±.011)	30.00 (1.181)
↑ -34- ↑	↑ 34	34	33.00±0.28 (1.299±.011)	34.00 (1.339)
↑ -40- ↑	↑ 40	40	39.00±0.28 (1.535±.011)	40.00 (1.575)
↑ -44- ↑	↑ 44	44	43.00±0.28 (1.693±.011)	44.00 (1.732)
24500-50-100B	82-28-3050	50	49.00±0.28 (1.929±.011)	50.00 (1.969)

ENGINEERING NO.

24500-XX-XXXX

A B C D





A : CABLE 1.00mm. (.039") CENTERS 28AWG STRANDED TINNED

B : CONDUCTOR SIZE ( AVAILABILITY 10,20,24,26,30,34,40,44 AND 50 )

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

D : A = INCHES

B = FEET

SEE CHANGE DETAIL. EC NO: THL2011-0054 DRWN: CPANSAKHOM 2010/11/15 CHKD: PMEECHAI 2011/01/25 APPR: SVIRAT JAPOL 2011/03/31	QUALITY SYMBOLS  =  =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES	± ---	± ---	DRAWN BY CPANSAKHOM	DATE 2006/07/10	TITLE FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED		
		3 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/10			
		2 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/10	 MOLEX INCORPORATED DOCUMENT NO. SD-24500-001 SHEET NO. 3 OF 3		
1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART						
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					