



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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7 6 5 4 3 2 1

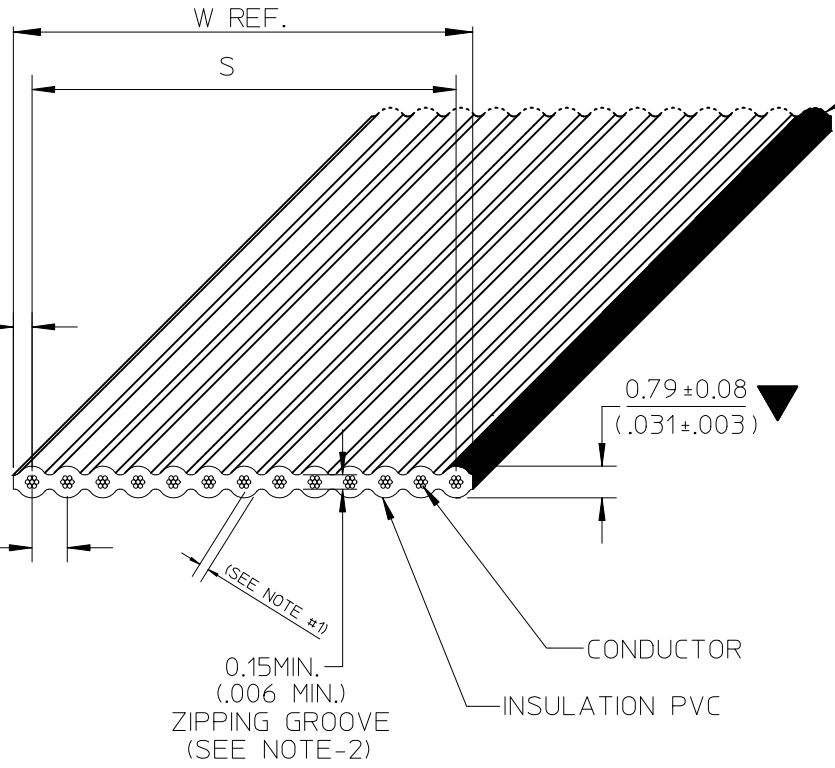
E

D

C

B

A



ONE EDGE MUST BE MARKED WITH RED



- 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

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

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

QUALITY SYMBOLS		=3
		=0
DESCRIPTION		
REV		

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	
PREECHAI	2006/07/10	
APPROVED BY	DATE	
SVIRAT JAPOL	2006/07/10	
MATERIAL NO.		
SEE CHART		

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

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 ± ---	± ---	DRAWN BY	DATE	MOLEX MOLEX INCORPORATED					
			3 PLACES ± ---	± ---	CPANSAKHOM	2006/07/10						DOCUMENT NO. SD-24500-001 SHEET NO. 2 OF 3
			2 PLACES ± ---	± ---	CHECKED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
1 PLACE ± ---	± ---	PREECHAI	2006/07/10	APPROVED BY SVIRATJAPOL 2006/07/10								
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							MATERIAL NO.		SIZE A 4	

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		
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/10	TITLE FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED	
		4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/10			
		3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/10	 MOLEX INCORPORATED DOCUMENT NO. SD-24500-001 SHEET NO. 3 OF 3		
		2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
1 PLACE	± ---	± ---	ANGULAR ± ---°		SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		