

7

6

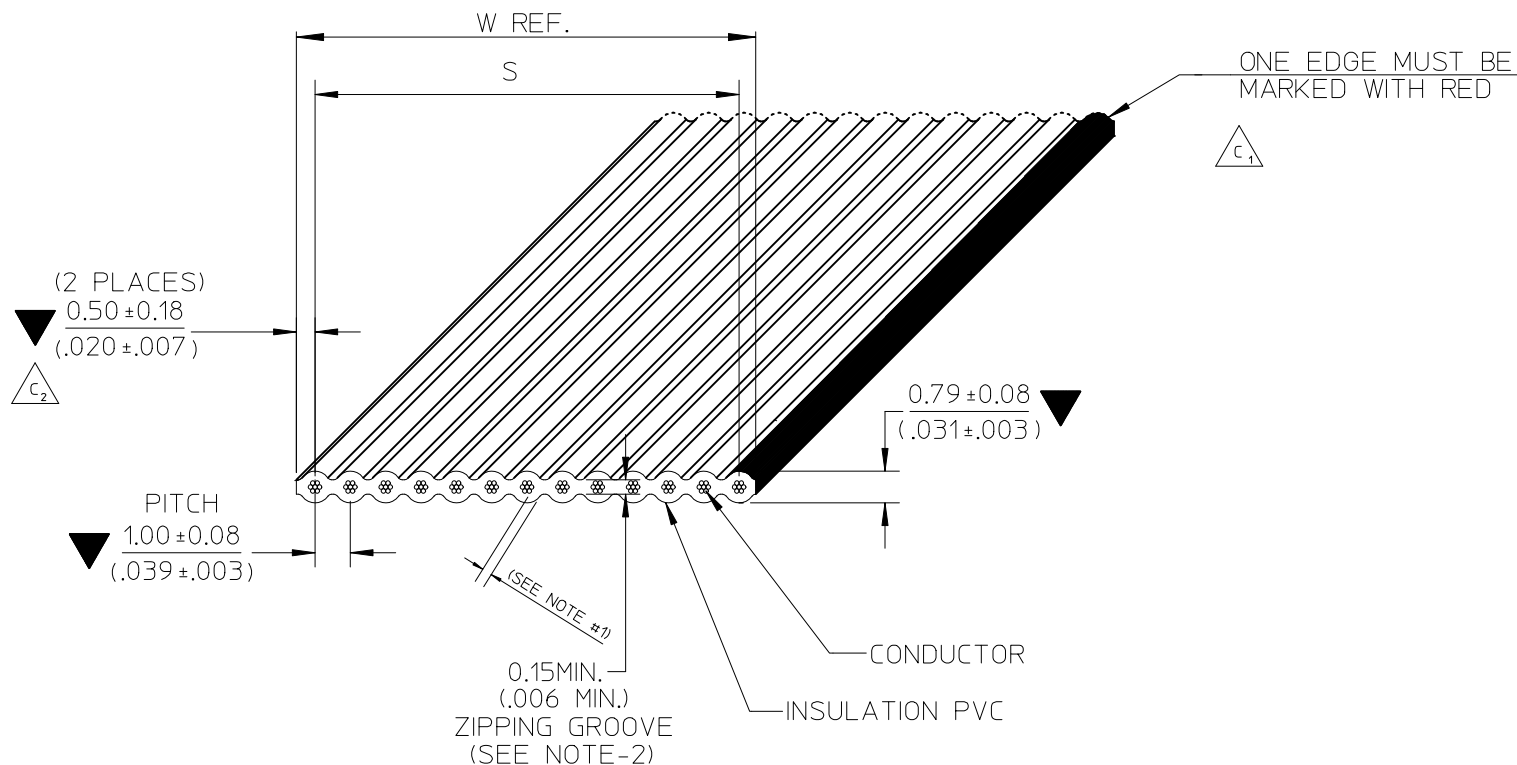
5

4

3

2

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	
☒	GENERAL USE
☐	AUTOMOTIVE
☐	MEDICAL DEVICE

C	E-10-0371	C ₃ : ADD ELECTRICAL SPEC.	2011/01/25
		C ₂ : CHANGE DIMENSION.	
		C ₁ : REMOVE REELS MFG. IN NOG.	
B	E-07-0748	B ₁ : 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: PMEECHAI 2011/01/25
APPR: SVIRAT JAPOL 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
SVIRAT JAPOL	2006/07/10

MATERIAL NO.

SEE CHART

SIZE
A 4

SCALE
NTS

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE
FCB ROUND CONDUCTOR
1.00MM(.039)CENTERS PVC.
28AWG STR TINNED

MOLEX INCORPORATED

DOCUMENT NO.

SD-24500-001

SHEET NO.

1 OF 3

6

5

4

3

2

1

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _____ 1.00(.039") ϕ TO ϕ
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⁺³₀ FT. (30.48^{+0.914}₀ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

SEE CHANGE DETAIL. EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/11/15 CH'KD:PMEECHAI 2011/01/25 APPR:SVIRATJAPOL 2011/03/31	DESCRIPTION	QUALITY SYMBOLS ▽ = ▽C =	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 SVIRATJAPOL	DATE 2006/07/10					
			2 PLACES	± ---	± ---	MOLEX MOLEX INCORPORATED		DOCUMENT NO. SD-24500-001		SHEET NO. 2 OF 3		
			1 PLACE	± ---	± ---							
			ANGULAR ± ---°			MATERIAL NO. SEE CHART						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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: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 2006/07/10	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 SVIRATJAPOL	DATE 2006/07/10					
			2 PLACES	± ---	± ---	MATERIAL NO.						
	1 PLACE	± ---	± ---	ANGULAR ± ---°		MOLEX MOLEX INCORPORATED		SD-24500-001		3 OF 3		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART								
	REV	C	SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								