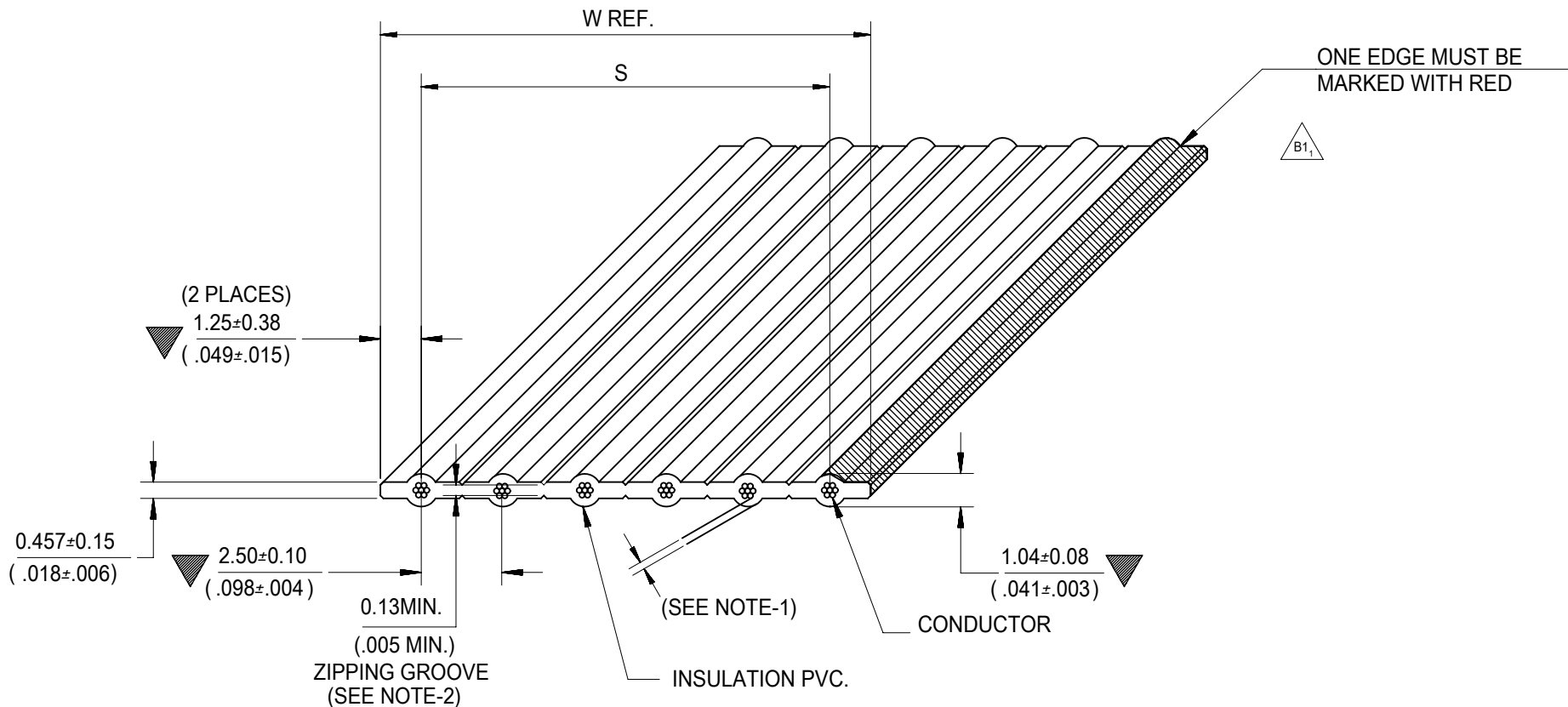


D

C

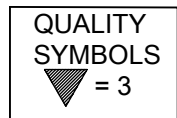
B

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- 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	
<input checked="" type="checkbox"/>	GENERAL USE
<input type="checkbox"/>	AUTOMOTIVE
<input type="checkbox"/>	MEDICAL DEVICE



C		C : MARK OBSOLETE FOR 82265507	2018/12/04
B1	E-10-0371	B1 : REMOVE REELS MFG. IN NOG.	2011/01/25
B	E-07-0748	B2 : ADD NON-OPERATING TEMP. B1 : ADD SOLDERING CONDITION	2007/10/02
A	N/A	NEW RELEASE	2006/07/13
REV. HISTORY	EC NO.	DETAIL	DATE

DOCUMENT STATUS	P1	RELEASE DATE	2018/12/20	03:52:26
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO	
MM/IN		NTS			
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 608697	
	MM	INCH		DRWN: AKUMAR19	2018/12/04
4 PLACES	±	±		CHK'D: GGA	2018/12/20
3 PLACES	±	±		APPR: GGA	2018/12/20
2 PLACES	±	±		INITIAL REVISION:	
1 PLACE	±	±		DRWN: CPANSAKHOM	2006/07/13
0 PLACES	±	±		APPR: SVIRATJAPOL	2006/07/13
ANGULAR TOL ± °			THIRD ANGLE PROJECTION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING		
			SERIES		
			MATERIAL NUMBER		
			CUSTOMER		
			SHEET NUMBER		

**molex**

FCB ROUND CONDUCTOR  
2.50MM(.098)CENTERS PVC. 26AWG STR  
TOPCOATED

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-40160-001	PSD	001	C



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## CHART A

## DIMENSIONS MM. (INCHES)

ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
40160-02-100B	82-26-5502	2	2.50±0.10 (.098±.004)	5.00 (.197)
▲ -03- ▲	▲ 03	3	5.00±0.20 (.197±.008)	7.50 (.295)
-04-	04	4	7.50±0.30 (.295±.012)	10.00 (.394)
-05-	05	5	10.00±0.33 (.394±.013)	12.50 (.492)
-06-	06	6	12.50±0.33 (.492±.013)	15.00 (.591)
-07-	07	7	15.00±0.33 (.591±.013)	17.50 (.689)
-08-	08	8	17.50±0.33 (.689±.013)	20.00 (.787)
-09-	09	9	20.00±0.33 (.787±.013)	22.50 (.886)
-10-	10	10	22.50±0.33 (.886±.013)	25.00 (.984)
-11-	11	11	25.00±0.33 (.984±.013)	27.50 (1.083)
-12-	12	12	27.50±0.33 (1.083±.013)	30.00 (1.181)
-13-	13	13	30.00±0.33 (1.181±.013)	32.50 (1.280)
-14-	14	14	32.50±0.33 (1.280±.013)	35.00 (1.378)
-15-	15	15	35.00±0.33 (1.378±.013)	37.50 (1.476)
-16-	16	16	37.50±0.33 (1.476±.013)	40.00 (1.575)
-17-	17	17	40.00±0.33 (1.575±.013)	42.50 (1.673)
-18-	18	18	42.50±0.33 (1.673±.013)	45.00 (1.772)
-19-	19	19	45.00±0.33 (1.772±.013)	47.50 (1.870)
-20-	20	20	47.50±0.33 (1.870±.013)	50.00 (1.969)
-21-	21	21	50.00±0.33 (1.969±.013)	52.50 (2.067)
-22-	22	22	52.50±0.33 (2.067±.013)	55.00 (2.165)
▼ -23- ▼	▼ 23	23	55.00±0.33 (2.165±.013)	57.50 (2.264)
40160-24-100B	82-26-5524	24	57.50±0.33 (2.264±.013)	60.00 (2.362)

OBSOLETE

ENGINEERING NO.40160-XX-XXXX

A B C D

A : CABLE 2.50mm. (.098") CENTERS 26AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE ( AVAILABILITY 2 THROUGH 24 )

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

D : A = INCHES

B = FEET

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO				<b>molex</b>	
MM/IN	NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 608697					
		MM	INCH	DRWN: AKUMAR19		2018/12/04		FCB ROUND CONDUCTOR	
4 PLACES	±	±	±	CHK'D: GGA		2018/12/20		2.50MM(.098)CENTERS PVC. 26AWG STR	
3 PLACES	±	±	±	APPR: GGA		2018/12/20		TOPCOATED	
2 PLACES	±	±	±	INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
1 PLACE	±	±	±	DRWN: CPANSAKHOM		2006/07/13		DOCUMENT NUMBER	DOC TYPE
0 PLACES	±	±	±	APPR: SVIRATJAPOL		2006/07/13		SD-40160-001	PSD
ANGULAR TOL			± °	THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
DRAFT WHERE APPLICABLE			MUST REMAIN WITHIN DIMENSIONS			A4-SIZE	40160	SEE TABLE	GENERAL MARKET
									REVISION
									001
									C
									SHEET NUMBER
									3 OF 3

DOCUMENT STATUS P1 RELEASE DATE 2018/12/20 03:52:26

FORMAT: Met-lega-master-ib-prod-A4  
REVISION: D  
DATE: 2018/01/18

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SPECIFICATIONSPHYSICAL

CONDUCTOR SPACING \_ \_ \_ \_ \_ .250 (.098")  $\phi$  TO  $\phi$   
 WIRE GAUGE \_ \_ \_ \_ \_ .26 AWG(7/34) 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.) \_ \_ \_ \_ \_ 43 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE \_ \_ \_ \_ \_ 143 OHMS NOM. (GS)  
 121 OHMS NOM. (GSG)  
 CAPACITANCE \_ \_ \_ \_ \_ 5.7 pF/FT. NOM. (GS)  
 10.4 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<sup>+3</sup><sub>0</sub> FT. (30.48<sup>+0.914</sup><sub>0</sub> M.)/REEL  
 20FT. (6.096M.) MIN. LENGTH

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: SVIRAT JAPOL 2011/03/31	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
		 =  =	4 PLACES	mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/13	TITLE <b>FCB ROUND CONDUCTOR          2.50MM(.098)CENTERS PVC.          26AWG STR TOPCOATED</b>				
			3 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/13					
			2 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/13	 <b>MOLEX INCORPORATED</b> DOCUMENT NO. SD-40160-001 SHEET NO. 2 OF 3				
			1 PLACE	± ---	± ---	MATERIAL NO.						
		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART						

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## CHART A

## DIMENSIONS MM. (INCHES)

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-19-	19	19	45.00±0.33 (1.772±.013)	47.50 (1.870)
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40160-24-100B	82-26-5524	24	57.50±0.33 (2.264±.013)	60.00 (2.362)

## ENGINEERING NO.

$$\frac{40160-XX-XXXX}{A \quad B \quad C \quad D}$$

A : CABLE 2.50mm. (.098") CENTERS 26AWG STRANDED TOPCOATED



B : CONDUCTOR SIZE ( AVAILABILITY 2 THROUGH 24 )

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

D : A = INCHES

B = FEET

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

QUALITY SYMBOLS  
 =  
 =  
 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	2006/07/13
CHECKED BY	DATE
PMEECHAI	2006/07/13
APPROVED BY	DATE
SVIRAT JAPOL	2006/07/13

MATERIAL NO.  
 SEE CHART

SCALE  
 NTS

DESIGN UNITS  
 INCH

THIRD ANGLE PROJECTION

TITLE  
 FCB ROUND CONDUCTOR  
 2.50MM(.098)CENTERS PVC.  
 26AWG STR TOPCOATED

 MOLEX INCORPORATED

DOCUMENT NO.  
 SD-40160-001

SHEET NO.  
 3 OF 3

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