

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082245914](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 14 Circuits, Reel 30.48m (100.0') Length

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	8997
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	14
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	24
Wire/Cable Type	(7x32) Stranded, Topcoat

Electrical

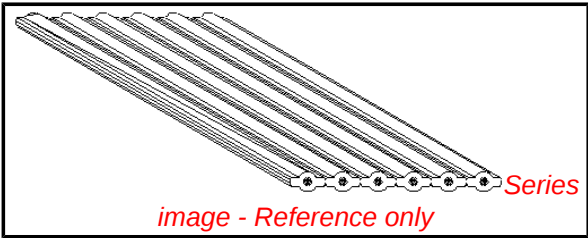
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	8997-14-100B
-----------------	--------------

Reference - Drawing Numbers

Sales Drawing	SD-8997-001
---------------	-------------



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

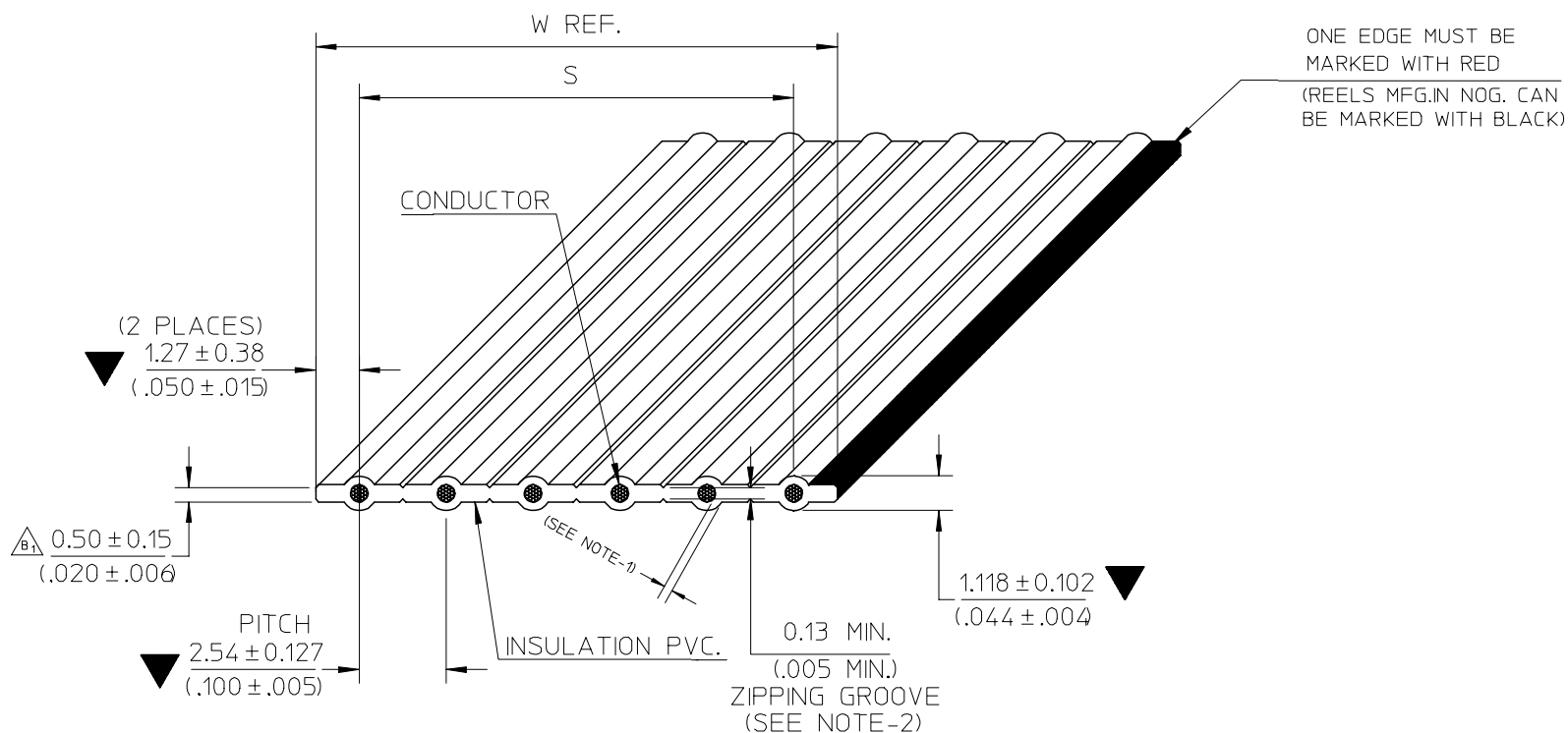
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[8997Series](#)

Use With
[70400](#) C-Grid SL™ IDT Connector Assembly.
[70475](#) SL™ IDT Connector Assembly.
[7720](#) KK® IDT Double Cantilever Contact

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- 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

B	E-07-0748	B ₄ : ADD NON-OPERATING TEMP.	07/09/26
		B ₃ : ADD SOLDERING CONDITION	
		B ₂ : CHANGE ELECTRICAL	
		B ₁ : CHANGE WEB THICKNESS	
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	DESCRIPTION	QUALITY SYMBOLS ▽=3 ▽=0	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. SEE CHART	DOCUMENT NO. SD-8997-001			
			1 PLACE	± ---	± ---		SHEET NO. 1 OF 3			
			ANGULAR ± ---°							
			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		

D

1.

B

A

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

5

4

3

2

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	DESCRIPTION REV	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				
		4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18	MOLEX INCORPORATED				
		3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL						
2 PLACES	± ---	± ---	ANGULAR ± ---°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-8997-001		SHEET NO. 2 OF 3		
			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					

	7	6	5	4	3	2	1																																																																																																																
E	<table><tr><th colspan="5">CHART A</th></tr><tr><th colspan="5">DIMENSIONS MM. (INCHES)</th></tr><tr><th>ENGINEERING NO.</th><th>ORDER NO.</th><th>NO. OF CONDUCTOR</th><th>DIMENSION S</th><th>DIM. W (REF.)</th></tr><tr><td>8997-02-100B</td><td>82-24-5902</td><td>2</td><td>2.54±0.127(.100±.005)</td><td>5.08 (.200)</td></tr><tr><td>▲-03-▲</td><td>▲03</td><td>3</td><td>5.08±0.20 (.200±.008)</td><td>7.62 (.300)</td></tr><tr><td>-04-</td><td>04</td><td>4</td><td>7.62±0.30 (.300±.012)</td><td>10.16 (.400)</td></tr><tr><td>-05-</td><td>05</td><td>5</td><td>10.16±0.33 (.400±.013)</td><td>12.70 (.500)</td></tr><tr><td>-06-</td><td>06</td><td>6</td><td>12.70±0.33 (.500±.013)</td><td>15.24 (.600)</td></tr><tr><td>-07-</td><td>07</td><td>7</td><td>15.24±0.33 (.600±.013)</td><td>17.78 (.700)</td></tr><tr><td>-08-</td><td>08</td><td>8</td><td>17.78±0.33 (.700±.013)</td><td>20.32 (.800)</td></tr><tr><td>-09-</td><td>09</td><td>9</td><td>20.32±0.33 (.800±.013)</td><td>22.86 (.900)</td></tr><tr><td>-10-</td><td>10</td><td>10</td><td>22.86±0.33 (.900±.013)</td><td>25.40 (1.000)</td></tr><tr><td>-11-</td><td>11</td><td>11</td><td>25.40±0.33 (1.000±.013)</td><td>27.94 (1.100)</td></tr><tr><td>-12-</td><td>12</td><td>12</td><td>27.94±0.33 (1.100±.013)</td><td>30.48 (1.200)</td></tr><tr><td>-13-</td><td>13</td><td>13</td><td>30.48±0.33 (1.200±.013)</td><td>33.02 (1.300)</td></tr><tr><td>-14-</td><td>14</td><td>14</td><td>33.02±0.33 (1.300±.013)</td><td>35.56 (1.400)</td></tr><tr><td>-15-</td><td>15</td><td>15</td><td>35.56±0.33 (1.400±.013)</td><td>38.10 (1.500)</td></tr><tr><td>-16-</td><td>16</td><td>16</td><td>38.10±0.33 (1.500±.013)</td><td>40.64 (1.600)</td></tr><tr><td>-17-</td><td>17</td><td>17</td><td>40.64±0.33 (1.600±.013)</td><td>43.18 (1.700)</td></tr><tr><td>-18-</td><td>18</td><td>18</td><td>43.18±0.33 (1.700±.013)</td><td>45.72 (1.800)</td></tr><tr><td>▼-19-▼</td><td>▼19</td><td>19</td><td>45.72±0.33 (1.800±.013)</td><td>48.26 (1.900)</td></tr><tr><td>8997-20-100B</td><td>82-24-5920</td><td>20</td><td>48.26±0.33 (1.900±.013)</td><td>50.80 (2.000)</td></tr></table>							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)		
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)																																																																																																																			
D																																																																																																																							
C																																																																																																																							
B																																																																																																																							
A																																																																																																																							

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: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	QUALITY SYMBOLS ▽ = ▽C =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES 3 PLACES 2 PLACES 1 PLACE ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED	SHEET NO. 3 OF 3
			±---	±---	CHECKED BY PMEECHAI	DATE 2006/07/18		
			±---	±---	APPROVED BY SVIRATJAPOL	DATE 2006/07/18		
			±---	±---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-8997-001		
B	REV			SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

tb_frame_A4_P_ME_T

Rev. E 2006/04/15

	6	5	4	3	2	1	
--	---	---	---	---	---	---	--