

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0082247720](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Tinned, 20 Circuits, Reel 30.48m (100.0' ) Length

**Documents:**

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

**General**

|                         |        |
|-------------------------|--------|
| Product Family          | Cable  |
| Series                  | 8224   |
| Crimp Quality Equipment | Yes    |
| Geographic Area         | Asia   |
| Product Name            | Ribbon |

**Physical**

|                               |                         |
|-------------------------------|-------------------------|
| Cable Length                  | 30.48m (100.0' )        |
| Circuits (Loaded)             | 20                      |
| 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, Tinned |

**Electrical**

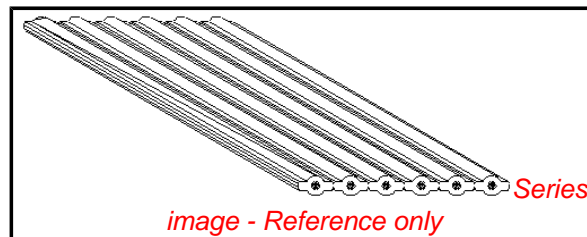
|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | N/A  |
| Voltage - Maximum             | 300V |

**Material Info**

|                 |               |
|-----------------|---------------|
| Old Part Number | 24226-20-100B |
|-----------------|---------------|

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-24226-001 |
|---------------|--------------|



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

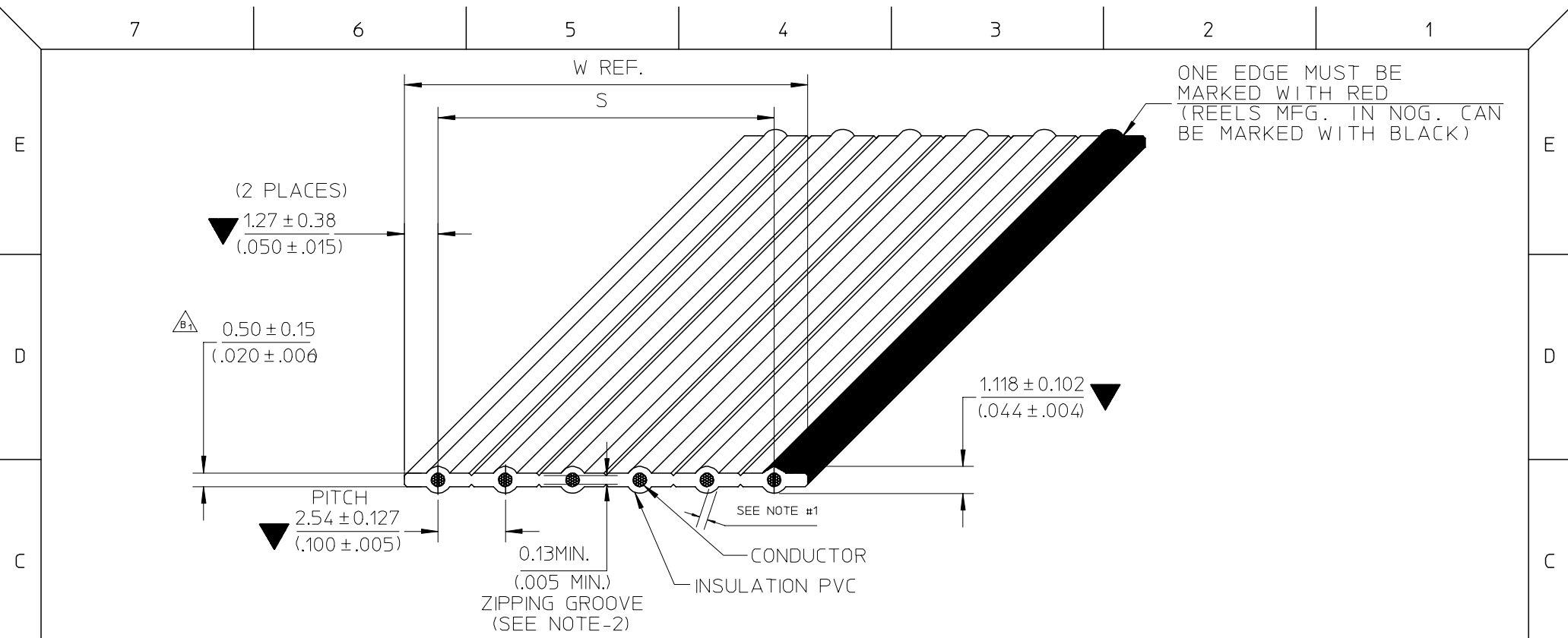
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

8224Series

**Use With**

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



- 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 <sub>2</sub> : ADD NON-OPERATING TEMP.<br>B <sub>1</sub> : CHANGE WEB THICKNESS | 07/09/26 |
| A            | N/A       | NEW RELEASE   | 06/07/12 |
| 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

|                 |
|-----------------|
| 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            | 2006/07/12 |
| CHECKED BY            | DATE       |
| PMEECHAI              | 2006/07/12 |
| APPROVED BY           | DATE       |
| SVIRATJAPOL           | 2006/07/12 |
| MATERIAL NO.          |            |
| SEE CHART             |            |
| SIZE                  |            |
| A/4                   |            |

|   |                   |                        |
|---|-------------------|------------------------|
| SCALE NTS   | DESIGN UNITS INCH | THIRD ANGLE PROJECTION |
| TITLE   |                   |                        |
| FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTERS PVC.<br>24AWG STR TINNED   |                   |                        |
| MOLEX INCORPORATED  |                   |                        |
| MATERIAL NO.  | DOCUMENT NO.      | SHEET NO.              |
| SEE CHART   | SD-24226-001      | 1 OF 3                 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                   |                        |



E

D

C

B

A

E

D

C

B

A

| CHART A<br>DIMENSIONS MM (INCHES) |              |                         |               | SHIPPED ON 100FT REELS |            |
|-----------------------------------|--------------|-------------------------|---------------|------------------------|------------|
| ENG. NO.                          | NO. OF COND. | DIMENSION S             | DIM. W (REF)  | ENGINEERING NO.        | ORDER NO.  |
| 24226-2                           | 2            | 2.54±0.10 (.100±.004)   | 5.08 (.200)   | 24226-02-100B          | 82-24-7702 |
| 24226-3                           | 3            | 5.08±0.20 (.200±.008)   | 7.62 (.300)   | 24226-03-100B          | 82-24-7703 |
| 24226-4                           | 4            | 7.62±0.30 (.300±.012)   | 10.16 (.400)  | 24226-04-100B          | 82-24-7704 |
| 24226-5                           | 5            | 10.16±0.33 (.400±.013)  | 12.70 (.500)  | 24226-05-100B          | 82-24-7705 |
| 24226-6                           | 6            | 12.70±0.33 (.500±.013)  | 15.24 (.600)  | 24226-06-100B          | 82-24-7706 |
| 24226-7                           | 7            | 15.24±0.33 (.600±.013)  | 17.78 (.700)  | 24226-07-100B          | 82-24-7707 |
| 24226-8                           | 8            | 17.78±0.33 (.700±.013)  | 20.32 (.800)  | 24226-08-100B          | 82-24-7708 |
| 24226-9                           | 9            | 20.32±0.33 (.800±.013)  | 22.86 (.900)  | 24226-09-100B          | 82-24-7709 |
| 24226-10                          | 10           | 22.86±0.33 (.900±.013)  | 25.40 (1.000) | 24226-10-100B          | 82-24-7710 |
| 24226-11                          | 11           | 25.40±0.33 (1.000±.013) | 27.94 (1.100) | 24226-11-100B          | 82-24-7711 |
| 24226-12                          | 12           | 27.94±0.33 (1.100±.013) | 30.48 (1.200) | 24226-12-100B          | 82-24-7712 |
| 24226-13                          | 13           | 30.48±0.33 (1.200±.013) | 33.02 (1.300) | 24226-13-100B          | 82-24-7713 |
| 24226-14                          | 14           | 33.02±0.33 (1.300±.013) | 35.56 (1.400) | 24226-14-100B          | 82-24-7714 |
| 24226-15                          | 15           | 35.56±0.33 (1.400±.013) | 38.10 (1.500) | 24226-15-100B          | 82-24-7715 |
| 24226-16                          | 16           | 38.10±0.33 (1.500±.013) | 40.64 (1.600) | 24226-16-100B          | 82-24-7716 |
| 24226-17                          | 17           | 40.64±0.33 (1.600±.013) | 43.18 (1.700) | 24226-17-100B          | 82-24-7717 |
| 24226-18                          | 18           | 43.18±0.33 (1.700±.013) | 45.72 (1.800) | 24226-18-100B          | 82-24-7718 |
| 24226-19                          | 19           | 45.72±0.33 (1.800±.013) | 48.26 (1.900) | 24226-19-100B          | 82-24-7719 |
| 24226-20                          | 20           | 48.26±0.33 (1.900±.013) | 50.80 (2.000) | 24226-20-100B          | 82-24-7720 |

ENGINEERING NO.

24226-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 24 AWG STRANDED TINNED

B : CONDUCTOR SIZE ( AVAILABILITY 2 THROUGH 20 )

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

D : A = INCHES

B = FEET

| SEE CHANGE DETAIL<br>EC NO: THL2008-0015<br>DRWN: CPANSAKHOM 2007/11/28<br>CHKD: DNARINTARA 2007/11/29<br>APPR: SVIRATJAPOL 2007/12/04 | DESCRIPTION<br>REV                                   | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE<br>MM/IN  | SCALE<br>NTS | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
|--|--|-----------------|---|---|--------------|----------------------|------------------------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|---|----------|------|------------|------------|------------|------|----------|------------|-------------|------|-------------|------------|-------|--|--|--|
|  |  | ▽ =<br>▽ =      | <table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr> </table> |   | mm           | INCH                 | 4 PLACES               | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | <table border="1"> <tr><th>DRAWN BY</th><th>DATE</th></tr> <tr><td>CPANSAKHOM</td><td>2006/07/12</td></tr> <tr><th>CHECKED BY</th><th>DATE</th></tr> <tr><td>PMEECHAI</td><td>2006/07/12</td></tr> <tr><th>APPROVED BY</th><th>DATE</th></tr> <tr><td>SVIRATJAPOL</td><td>2006/07/12</td></tr> </table> | DRAWN BY | DATE | CPANSAKHOM | 2006/07/12 | CHECKED BY | DATE | PMEECHAI | 2006/07/12 | APPROVED BY | DATE | SVIRATJAPOL | 2006/07/12 | TITLE |  |  |  |
|  |  |                 | mm  | INCH  |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
|  |  | 4 PLACES        | ± ---   | ± ---   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
|  |  | 3 PLACES        | ± ---   | ± ---   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| 2 PLACES   | ± ---  | ± ---           |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| 1 PLACE  | ± ---  | ± ---           |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| DRAWN BY   | DATE   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| CPANSAKHOM   | 2006/07/12   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| CHECKED BY   | DATE   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| PMEECHAI   | 2006/07/12   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| APPROVED BY  | DATE   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
| SVIRATJAPOL  | 2006/07/12   |                 |   |   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
|  | ANGULAR ± ---°                                       | SEE CHART       |   | FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTERS PVC.<br>24AWG STR TINNED   |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                 |   | MOLEX INCORPORATED<br>SD-24226-001  |              |                      |                        |       |       |          |       |       |          |       |       |         |       |       |   |          |      |            |            |            |      |          |            |             |      |             |            |       |  |  |  |
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