

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0082265710](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (1 x 26) Solid, Tinned, 10 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                  | <a href="#">7234</a> |
| Crimp Quality Equipment | Yes                  |
| Geographic Area         | Asia                 |
| Product Name            | Ribbon               |

**Physical**

|                               |                      |
|-------------------------------|----------------------|
| Cable Length                  | 30.48m (100.0' )     |
| Circuits (Loaded)             | 10                   |
| 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                 | 26                   |
| Wire/Cable Type               | (1x26) Solid, Tinned |

**Electrical**

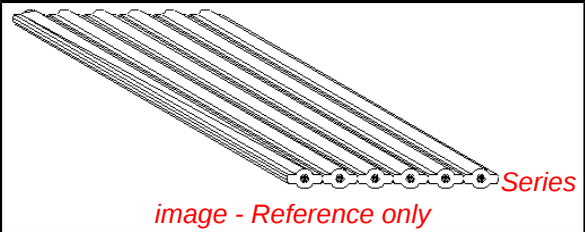
|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | N/A  |
| Voltage - Maximum             | 300V |

**Material Info**

|                 |              |
|-----------------|--------------|
| Old Part Number | 7234-10-100B |
|-----------------|--------------|

**Reference - Drawing Numbers**

|               |             |
|---------------|-------------|
| Sales Drawing | SD-7234-001 |
|---------------|-------------|



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



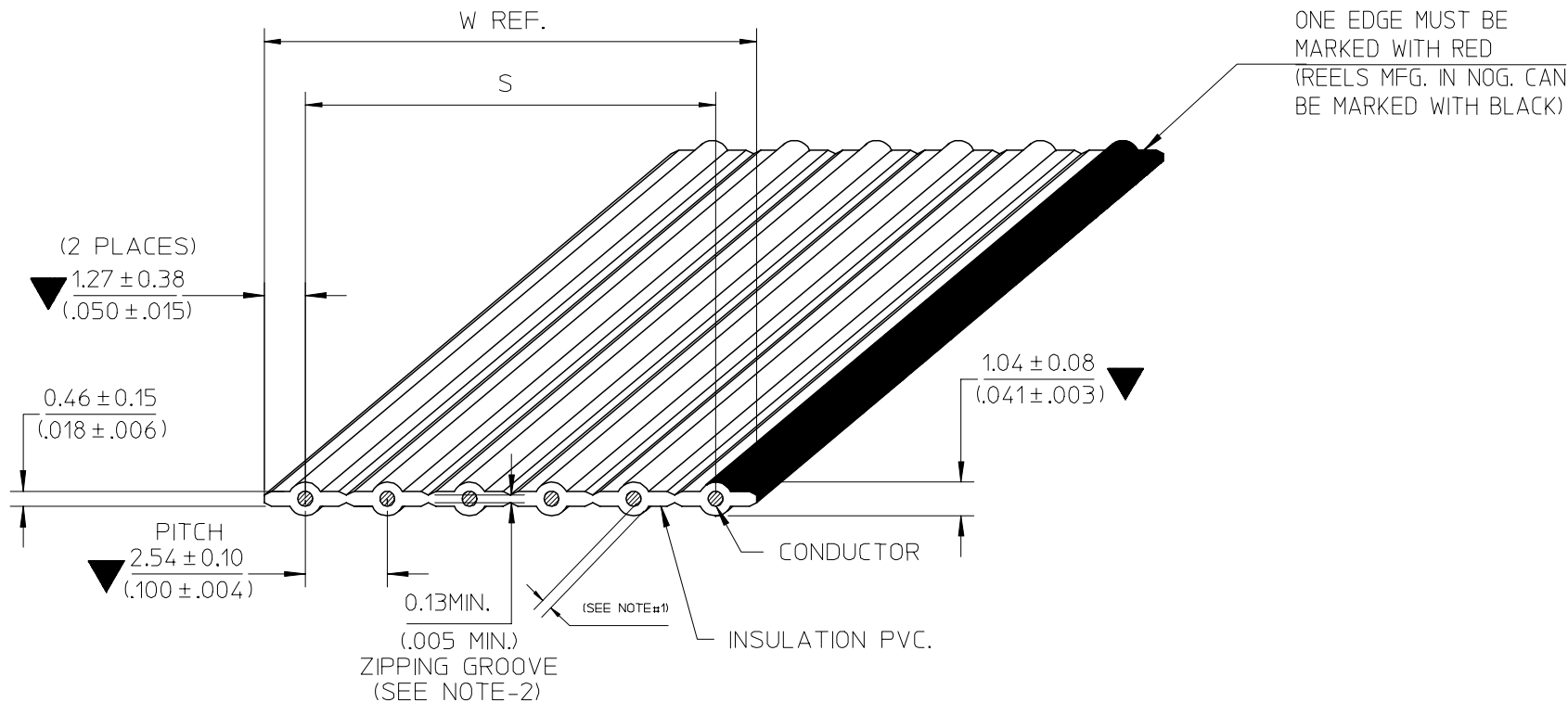
**Need more information on product environmental compliance?**

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**  
[7234Series](#)

**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>3</sub> : ADD SOLDERING CONDITION | 07/09/27 |
| 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

| QUALITY SYMBOLS | DESCRIPTION |
|-----------------|-------------|
| ▼=3             |             |
| ▽=0             |             |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |
|------------------------------------------------------|-------|
|                                                      | mm    |
| 4 PLACES                                             | ± --- |
| 3 PLACES                                             | ± --- |
| 2 PLACES                                             | ± --- |
| 1 PLACE                                              | ± --- |
| ANGULAR ± ---°                                       |       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       |

| DIMENSION STYLE |            |
|-----------------|------------|
| MM/IN           |            |
| DRAWN BY        | DATE       |
| CPANSAKHOM      | 2006/07/18 |
| CHECKED BY      | DATE       |
| PMEECHAI        | 2006/07/18 |
| APPROVED BY     | DATE       |
| SVIRATJAPOL     | 2006/07/18 |
| MATERIAL NO.    |            |
| SEE CHART       |            |
| SIZE            |            |
| A4              |            |

|                                                                                                          |                      |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>NTS                                                                                             | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |
| TITLE                                                                                                    |                      |                                                                                                                 |
| FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTER PVC.<br>26AWG SOLID TINNED                                     |                      |                                                                                                                 |
|  MOLEX INCORPORATED |                      |                                                                                                                 |
| DOCUMENT NO.<br>SD-7234-001                                                                              |                      | SHEET NO.<br>1 OF 3                                                                                             |
| THIS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION           |                      |                                                                                                                 |

7 6 5 4 3 2 1

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# SPECIFICATIONS

## PHYSICAL

CONDUCTOR SPACING \_ \_ \_ \_ \_ 2.54(.100")  $\phi$  TO  $\phi$   
 WIRE GAUGE \_ \_ \_ \_ \_ 26 AWG(1/26) SOLID 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.) \_ \_ \_ \_ \_ 45 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE \_ \_ \_ \_ \_ 150 OHMS NOM. (GS)  
 128 OHMS NOM. (GSG)  
 CAPACITANCE \_ \_ \_ \_ \_ 5.2 pF/FT. NOM. (GS)  
 9.24 pF/FT. NOM. (GSG)  
 PROPAGATION DELAY \_ \_ \_ \_ \_ 1.4 ns/FT. NOM.  
 INSULATION RESISTANCE \_ \_ \_ \_ \_ 10 M OHMS (10FT. SAMPLE)  
 DIELECTRIC WITHSTAND VOLTAGE \_ \_ \_ \_ \_ 2000 VRMS/MINUTE

## GENERAL

$\triangle B_2$  NON-OPERATING TEMPERATURE \_ \_ \_ \_ \_ -20°C TO 105°C  
 FAULTS AND/OR SPLICES \_ \_ \_ \_ \_ 1/REEL MAX. 100 $\pm$  $\frac{3}{0}$  FT. (30.48 $\pm$  $\frac{0.914}{0}$  M.)/REEL  
 20FT. (6.096M.) MIN. LENGTH

## $\triangle B_1$ SOLDERING CONDITION

SOLDER TEMPERATURE \_ \_ \_ \_ \_ 260°C. MAX.  
 SOLDERING TIME \_ \_ \_ \_ \_ 3 SECOND, MAX.  
 INSULATION SHRINK \_ \_ \_ \_ \_ 2MM. NOM

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|                                                                                                                                     |                    |                                                     |                                                            |       |       |                            |                    |                                                                              |                      |                           |                                                                                                                                  |  |                     |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------|------------------------------------------------------------|-------|-------|----------------------------|--------------------|------------------------------------------------------------------------------|----------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|---------------------|
| 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<br>SYMBOLS<br><div>▽ =</div> <div>C =</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |       | DIMENSION STYLE<br>MM/IN   |                    | SCALE<br>NTS                                                                 | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     |                                                            | mm    | INCH  | DRAWN BY<br>CPANSAKHOM     | DATE<br>2006/07/18 | TITLE<br>FCB ROUND CONDUCTOR<br>2.54MM(100)CENTER PVC.<br>26AWG SOLID TINNED |                      |                           |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     | 4 PLACES                                                   | ± --- | ± --- | CHECKED BY<br>PMEECHAI     | DATE<br>2006/07/18 |                                                                              |                      |                           |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     | 3 PLACES                                                   | ± --- | ± --- | APPROVED BY<br>SVIRATJAPOL |                    | DATE<br>2006/07/18                                                           | MOLEX INCORPORATED   |                           |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     | 2 PLACES                                                   | ± --- | ± --- |                            |                    |                                                                              |                      |                           |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     | 1 PLACE                                                    | ± --- | ± --- | MATERIAL NO.<br>SEE CHART  |                    |                                                                              |                      |                           | DOCUMENT NO.<br>SD-7234-001                                                                                                      |  | SHEET NO.<br>2 OF 3 |
|                                                                                                                                     |                    |                                                     | ANGULAR ± ---°                                             |       |       |                            |                    |                                                                              |                      |                           |                                                                                                                                  |  |                     |
|                                                                                                                                     |                    |                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |       | SIZE<br>A4                 |                    |                                                                              |                      |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |

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| CHART A<br>DIMENSIONS MM. (INCHES) |                |                |              |                 | SHIPPED ON<br>100 FT. REELS |              |
|------------------------------------|----------------|----------------|--------------|-----------------|-----------------------------|--------------|
| ENG. NO.                           | NO.OF<br>COND. | DIMENSION<br>S |              | DIM. W<br>(REF) | ENGINEERING<br>NO.          | ORDER<br>NO. |
| 7234-02                            | 2              | 2.54±0.10      | (.100±.004)  | 5.08 (.200)     | 7234-02-100B                | 82-26-5702   |
| 7234-03                            | 3              | 5.08±0.20      | (.200±.008)  | 7.62 (.300)     | ▲ -03- ▲                    | ▲ 03         |
| 7234-04                            | 4              | 7.62±0.30      | (.300±.012)  | 10.16 (.400)    | ▲ -04- ▲                    | ▲ 04         |
| 7234-05                            | 5              | 10.16±0.33     | (.400±.013)  | 12.70 (.500)    | ▲ -05- ▲                    | ▲ 05         |
| 7234-06                            | 6              | 12.70±0.33     | (.500±.013)  | 15.24 (.600)    | ▲ -06- ▲                    | ▲ 06         |
| 7234-07                            | 7              | 15.24±0.33     | (.600±.013)  | 17.78 (.700)    | ▲ -07- ▲                    | ▲ 07         |
| 7234-08                            | 8              | 17.78±0.33     | (.700±.013)  | 20.32 (.800)    | ▲ -08- ▲                    | ▲ 08         |
| 7234-09                            | 9              | 20.32±0.33     | (.800±.013)  | 22.86 (.900)    | ▲ -09- ▲                    | ▲ 09         |
| 7234-10                            | 10             | 22.86±0.33     | (.900±.013)  | 25.40 (1.000)   | ▲ -10- ▲                    | ▲ 10         |
| 7234-11                            | 11             | 25.40±0.33     | (1.000±.013) | 27.94 (1.100)   | ▲ -11- ▲                    | ▲ 11         |
| 7234-12                            | 12             | 27.94±0.33     | (1.100±.013) | 30.48 (1.200)   | ▲ -12- ▲                    | ▲ 12         |
| 7234-13                            | 13             | 30.48±0.33     | (1.200±.013) | 33.02 (1.300)   | ▲ -13- ▲                    | ▲ 13         |
| 7234-14                            | 14             | 33.02±0.33     | (1.300±.013) | 35.56 (1.400)   | ▲ -14- ▲                    | ▲ 14         |
| 7234-15                            | 15             | 35.56±0.33     | (1.400±.013) | 38.10 (1.500)   | ▲ -15- ▲                    | ▲ 15         |
| 7234-16                            | 16             | 38.10±0.33     | (1.500±.013) | 40.64 (1.600)   | ▲ -16- ▲                    | ▲ 16         |
| 7234-17                            | 17             | 40.64±0.33     | (1.600±.013) | 43.18 (1.700)   | ▲ -17- ▲                    | ▲ 17         |
| 7234-18                            | 18             | 43.18±0.33     | (1.700±.013) | 45.72 (1.800)   | ▲ -18- ▲                    | ▲ 18         |
| 7234-19                            | 19             | 45.72±0.33     | (1.800±.013) | 48.26 (1.900)   | ▲ -19- ▲                    | ▲ 19         |
| 7234-20                            | 20             | 48.26±0.33     | (1.900±.013) | 50.80 (2.000)   | ▼ -20- ▼                    | ▼ 20         |

ENGINEERING NO.

7234-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 26 AWG SOLID 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>DRAWN: CPANSAKHOM 2007/11/28<br>CHKD: DNARINTARA 2007/11/29<br>APPR: SVIRATJAPOL 2007/12/04 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><br>▽ =<br><br>C = | GENERAL TOLERANCES (UNLESS SPECIFIED) |       |       | DIMENSION STYLE<br>MM/IN                                   |                     | SCALE<br>NTS                                                                  | DESIGN UNITS<br>INCH                                                                                                             |  THIRD ANGLE PROJECTION |             |  |
|                                                                                                                                         |                    |                                       |                                       | mm    | INCH  | DRAWN BY<br>CPANSAKHOM                                     | DATE<br>2006/07/18  | TITLE<br>FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTER PVC.<br>26AWG SOLID TINNED |                                                                                                                                  |                                                                                                              |             |  |
|                                                                                                                                         |                    |                                       | 4 PLACES                              | ± --- | ± --- | CHECKED BY<br>PMEECHAI                                     | DATE<br>2006/07/18  |                                                                               |                                                                                                                                  |                                                                                                              |             |  |
|                                                                                                                                         |                    |                                       | 3 PLACES                              | ± --- | ± --- | APPROVED BY<br>SVIRATJAPOL                                 | DATE<br>2006/07/18  |                                                                               | molex MOLEX INCORPORATED                                                                                                         |                                                                                                              |             |  |
|                                                                                                                                         |                    |                                       | 2 PLACES                              | ± --- | ± --- | MATERIAL NO.                                               | DOCUMENT NO.        |                                                                               |                                                                                                                                  |                                                                                                              | SD-7234-001 |  |
|                                                                                                                                         |                    |                                       | 1 PLACE                               | ± --- | ± --- | SEE CHART                                                  | SHEET NO.<br>3 OF 3 |                                                                               |                                                                                                                                  |                                                                                                              |             |  |
|                                                                                                                                         |                    |                                       | ANGULAR ± ---°                        |       |       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                     |                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                              |             |  |