

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

**Part Number:** [0082226104](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 22 AWG (7 x 30) Stranded, Tinned, 4 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 [7560](#)  
 Crimp Quality Equipment Yes  
 Geographic Area Asia  
 Product Name Ribbon

**Physical**

Cable Length 30.48m (100.0' )  
 Circuits (Loaded) 4  
 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 22  
 Wire/Cable Type (7x30) Stranded, Tinned

**Electrical**

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

**Material Info**

Old Part Number 7560-04-100B

**Reference - Drawing Numbers**

Sales Drawing SD-7560-001



**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](#)

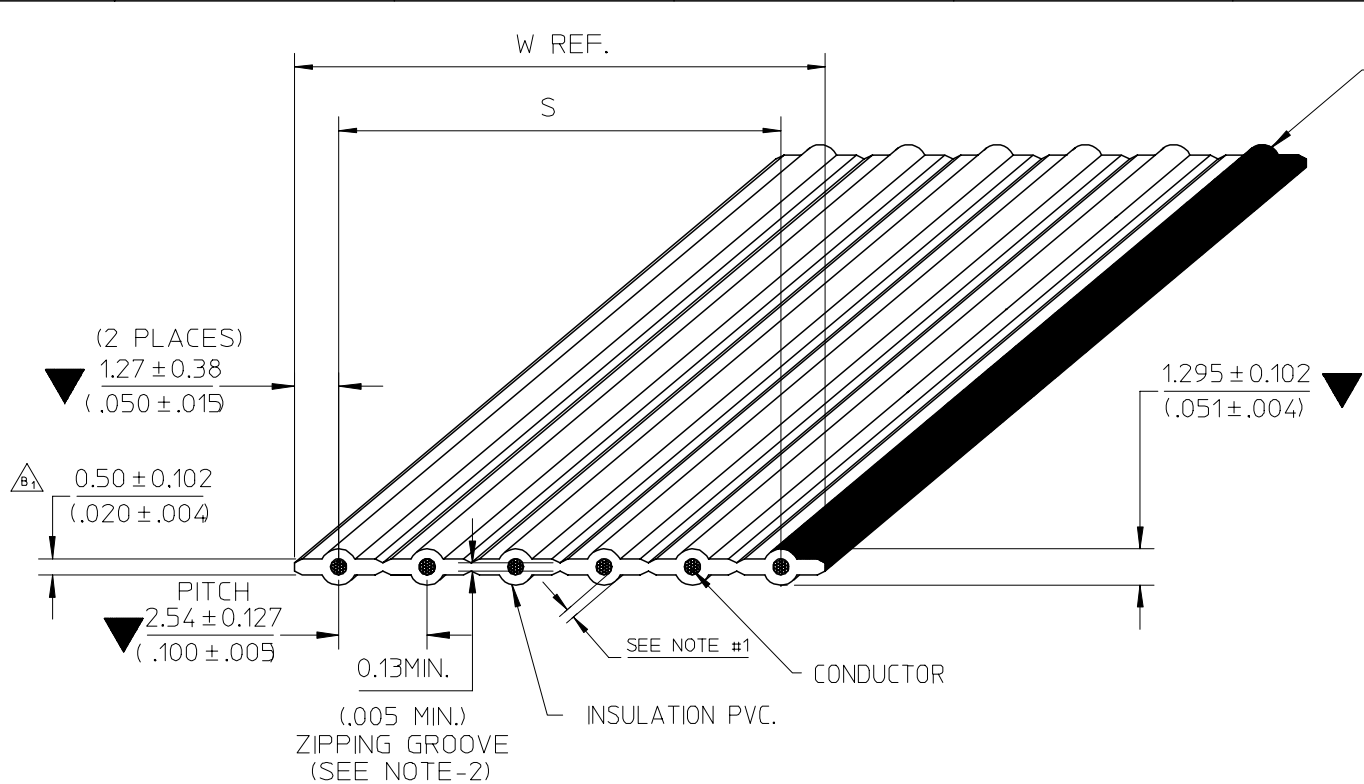
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[7560Series](#)

**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   | 06/07/18 |
| 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      INCH     |
| 4 PLACES   | ± ---      ± --- |
| 3 PLACES   | ± ---      ± --- |
| 2 PLACES   | ± ---      ± --- |
| 1 PLACE  | ± ---      ± --- |
| ANGULAR ± ---°                                       |                  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                  |

|                 |   |   |              |                        |
|-----------------|---|---|--------------|------------------------|
| DIMENSION STYLE |   | SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
| MM/IN           |   | NTS   | INCH         |                        |
| DRAWN BY        | DATE  | TITLE   |              |                        |
| CPANSAKHOM      | 2006/07/18  | FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTER PVC.<br>22AWG STRANDED TINNED |              |                        |
| CHECKED BY      | DATE  | MOLEX INCORPORATED  |              |                        |
| PMEECHAI        | 2006/07/18  | MATERIAL NO.      DOCUMENT NO.      SHEET NO.                           |              |                        |
| APPROVED BY     | DATE  | SD-7560-001      1 OF 3   |              |                        |
| SVIRATJAPOL     | 2006/07/18  | SEE CHART   |              |                        |
| SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |              |                        |
| A/4             |   |   |              |                        |

E

E

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ..... 2.54(.100")  $\bar{C}$  TO  $\bar{C}$   
 WIRE GAUGE ..... 22 AWG(7/30) 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.) ..... 17 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE ..... 128 OHMS NOM. (GS)  
 104 OHMS NOM. (GSG)  
 CAPACITANCE ..... 7.2 pF/FT. NOM. (GS)  
 13.4 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 $^{+3}_0$  FT. (30.48 $^{+0.914}_0$  M.)/REEL  
 20FT. (6.096M.) MIN. LENGTH

D

D

C

C

B

B

A

A

|  |                    |                        |                                       |                   |   |            |              |   |  |  |  |
|--|--------------------|------------------------|---------------------------------------|-------------------|---|------------|--------------|---|--|--|--|
| 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   | SCALE      | DESIGN UNITS | THIRD ANGLE PROJECTION  |  |  |  |
|  |                    |                        | mm                                    | INCH              | MM/IN   | NTS        | INCH         |   |  |  |  |
|  |                    | $\blacktriangledown =$ | 4 PLACES $\pm$ ----                   | $\pm$ ----        |   | DRAWN BY   | DATE         | TITLE   |  |  |  |
|  |                    | $\triangle =$          | 3 PLACES $\pm$ ----                   | $\pm$ ----        |   | CPANSAKHOM | 2006/07/18   | FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTER PVC.<br>22AWG STRANDED TINNED |  |  |  |
|  |                    |                        | 2 PLACES $\pm$ ----                   | $\pm$ ----        |   | CHECKED BY | DATE         | MOLEX INCORPORATED  |  |  |  |
|  | 1 PLACE $\pm$ ---- | $\pm$ ----             |                                       | PMEECHAI          | 2006/07/18  |            |              |   |  |  |  |
|  | ANGULAR $\pm$ ---- | $\pm$ ----             |                                       | APPROVED BY       | DATE  |            |              |   |  |  |  |
|  |                    |                        |                                       | SVIRATJAPOL       | 2006/07/18  |            |              |   |  |  |  |
|  |                    |                        |                                       | MATERIAL NO.      | DOCUMENT NO.  | SHEET NO.  |              |   |  |  |  |
|  |                    |                        |                                       | SEE CHART         | SD-7560-001   | 2 OF 3     |              |   |  |  |  |
|  |                    |                        |                                       | SIZE              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |              |   |  |  |  |
|  |                    |                        |                                       | $\triangle_{A_4}$ |   |            |              |   |  |  |  |

E

D

C

B

A

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D

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B

A

| CHART A<br>DIMENSIONS MM. (INCHES) |                |                         |                 | SHIPPED ON<br>100FT. REELS |              |
|------------------------------------|----------------|-------------------------|-----------------|----------------------------|--------------|
| ENG. NO.                           | NO.OF<br>COND. | DIMENSION<br>S          | DIM. W<br>(REF) | ENGINEERING<br>NO.         | ORDER<br>NO. |
| 7560-02                            | 2              | 2.54±0.127 (.100±.005)  | 5.08 (.200)     | 7560-02-100B               | 82-22-6102   |
| 7560-03                            | 3              | 5.08±0.20 (.200±.008)   | 7.62 (.300)     | 7560-03-100B               | 82-22-6103   |
| 7560-04                            | 4              | 7.62±0.30 (.300±.012)   | 10.16 (.400)    | 7560-04-100B               | 82-22-6104   |
| 7560-05                            | 5              | 10.16±0.33 (.400±.013)  | 12.70 (.500)    | 7560-05-100B               | 82-22-6105   |
| 7560-06                            | 6              | 12.70±0.33 (.500±.013)  | 15.24 (.600)    | 7560-06-100B               | 82-22-6106   |
| 7560-07                            | 7              | 15.24±0.33 (.600±.013)  | 17.78 (.700)    | 7560-07-100B               | 82-22-6107   |
| 7560-08                            | 8              | 17.78±0.33 (.700±.013)  | 20.32 (.800)    | 7560-08-100B               | 82-22-6108   |
| 7560-09                            | 9              | 20.32±0.33 (.800±.013)  | 22.86 (.900)    | 7560-09-100B               | 82-22-6109   |
| 7560-10                            | 10             | 22.86±0.33 (.900±.013)  | 25.40 (1.000)   | 7560-10-100B               | 82-22-6110   |
| 7560-11                            | 11             | 25.40±0.33 (1.000±.013) | 27.94 (1.100)   | 7560-11-100B               | 82-22-6111   |
| 7560-12                            | 12             | 27.94±0.33 (1.100±.013) | 30.48 (1.200)   | 7560-12-100B               | 82-22-6112   |
| 7560-13                            | 13             | 30.48±0.33 (1.200±.013) | 33.02 (1.300)   | 7560-13-100B               | 82-22-6113   |
| 7560-14                            | 14             | 33.02±0.33 (1.300±.013) | 35.56 (1.400)   | 7560-14-100B               | 82-22-6114   |
| 7560-15                            | 15             | 35.56±0.33 (1.400±.013) | 38.10 (1.500)   | 7560-15-100B               | 82-22-6115   |
| 7560-16                            | 16             | 38.10±0.33 (1.500±.013) | 40.64 (1.600)   | 7560-16-100B               | 82-22-6116   |
| 7560-17                            | 17             | 40.64±0.33 (1.600±.013) | 43.18 (1.700)   | 7560-17-100B               | 82-22-6117   |
| 7560-18                            | 18             | 43.18±0.33 (1.700±.013) | 45.72 (1.800)   | 7560-18-100B               | 82-22-6118   |
| 7560-19                            | 19             | 45.72±0.33 (1.800±.013) | 48.26 (1.900)   | 7560-19-100B               | 82-22-6119   |
| 7560-20                            | 20             | 48.26±0.33 (1.900±.013) | 50.80 (2.000)   | 7560-20-100B               | 82-22-6120   |

ENGINEERING NO.

7560-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 22 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 |  |
|   |                    |                 | mm                                    | INCH       | DRAWN BY  | DATE       | TITLE<br>FCB ROUND CONDUCTOR<br>2.54MM(.100)CENTER PVC.<br>22AWG STRANDED TINNED |                      |                        |  |
|   |                    |                 | 4 PLACES ± ---                        | ± ---      | CPANSAKHOM  | 2006/07/18 |  |                      |                        |  |
|   |                    |                 | 3 PLACES ± ---                        | ± ---      | CHECKED BY  | DATE       |  |                      |                        |  |
|   |                    |                 | 2 PLACES ± ---                        | ± ---      | PMEECHA I   | 2006/07/18 |  |                      |                        |  |
| 1 PLACE ± ---   | ± ---              | APPROVED BY     |                                       | DATE       | MOLEX INCORPORATED<br>DOCUMENT NO. SD-7560-001<br>SHEET NO. 3 OF 3  |            |  |                      |                        |  |
| ANGULAR ± ---°  |                    | SVIRATJAPOL     |                                       | 2006/07/18 |   |            |  |                      |                        |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                    |                 | MATERIAL NO.                          |            | SEE CHART   |            |  |                      |                        |  |
|   |                    |                 | SIZE                                  |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |  |                      |                        |  |