

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082265718](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (1 x 26) Solid, Tinned, 18 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 [7234](#)
 Crimp Quality Equipment Yes
 Geographic Area Asia
 Product Name Ribbon

Physical

Cable Length 30.48m (100.0')
 Circuits (Loaded) 18
 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 7234-18-100B

Reference - Drawing Numbers

Sales Drawing SD-7234-001



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](#)

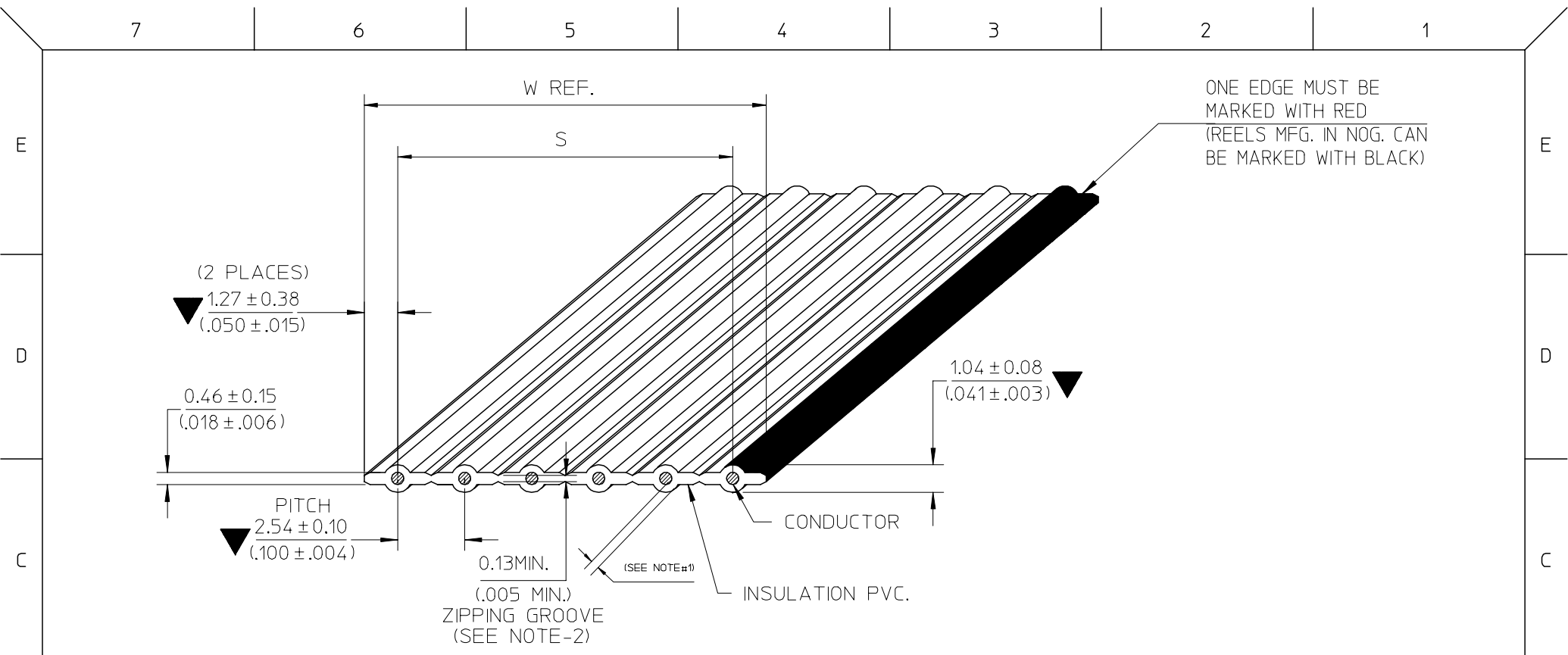
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[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

| | | | | | | | | | | | |
|--|--|----------------------|---------------------------------------|-------------------------|---|-----------------|--|--------------|--------------------------|--|--|
| SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04 | QUALITY SYMBOLS | | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | |
| | $\nabla = 3$ $\nabla = 0$ | | mm | INCH | MM/IN | | NTS | INCH | | | |
| | 4 PLACES | ± --- | ± --- | DRAWN BY CPANSAKHOM | | DATE 2006/07/18 | TITLE | | | | |
| | 3 PLACES | ± --- | ± --- | CHECKED BY PMEECHAI | | DATE 2006/07/18 | FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED | | | | |
| | 2 PLACES | ± --- | ± --- | APPROVED BY SVIRATJAPOL | | DATE 2006/07/18 | MOLEX INCORPORATED | | | | |
| 1 PLACE | | | ± --- | ± --- | ANGULAR ± ---° | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-7234-001 | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | SIZE A 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |
| B E-07-0748 A N/A REV. HISTORY EC NO. DETAIL DATE | B ₂ : ADD NON-OPERATING TEMP. B ₃ : ADD SOLDERING CONDITION NEW RELEASE DATE 06/07/18 | 07/09/27 06/07/18 | SHEET NO. 1 OF 3 | | | | | | | | |

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 2.54(.100") ϕ TO ϕ
 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 3 FT. (30.48 \pm 0.914 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 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 | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | |
| | | \blacktriangledown = \triangle = | mm | INCH | MM/IN | NTS | INCH | 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 DOCUMENT NO. SD-7234-001 SHEET NO. 2 OF 3 | | | | |
| | | | 4 PLACES \pm ---- | \pm ---- | | | TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED MOLEX MOLEX INCORPORATED | | | | | |
| | | | 3 PLACES \pm ---- | \pm ---- | | | | | | | | |
| | | | 2 PLACES \pm ---- | \pm ---- | | | | | | | | |
| 1 PLACE \pm ---- | \pm ---- | | | | | | | | | | | |
| | | ANGULAR \pm ---- | | | | | | | | | | |
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| CHART A DIMENSIONS MM. (INCHES) | | | | SHIPPED ON 100 FT. REELS | |
|------------------------------------|----------------|-------------------------|-----------------|-----------------------------|--------------|
| ENG. NO. | NO.OF COND. | DIMENSION S | DIM. W (REF) | ENGINEERING NO. | ORDER 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

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|--|--------------------|-------------------------------|--|-------|-----------------------------|----------------------------|---------------------|---|------------------------|
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