

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082247706](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Tinned, 6 Circuits, Reel 30.48m (100.0') Length

Documents:

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

General

| | |
|-------------------------|-----------------------|
| Product Family | Cable |
| Series | 24226 |
| Crimp Quality Equipment | Yes |
| Geographic Area | Asia |
| Product Name | Ribbon |

Physical

| | |
|-------------------------------|-------------------------|
| Cable Length | 30.48m (100.0') |
| Circuits (Loaded) | 6 |
| 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

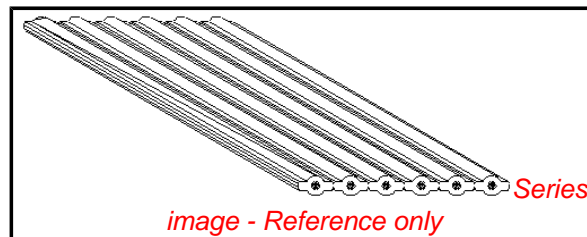
| | |
|-------------------------------|------|
| Current - Maximum per Contact | N/A |
| Voltage - Maximum | 300V |

Material Info

| | |
|-----------------|---------------|
| Old Part Number | 24226-06-100B |
|-----------------|---------------|

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
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

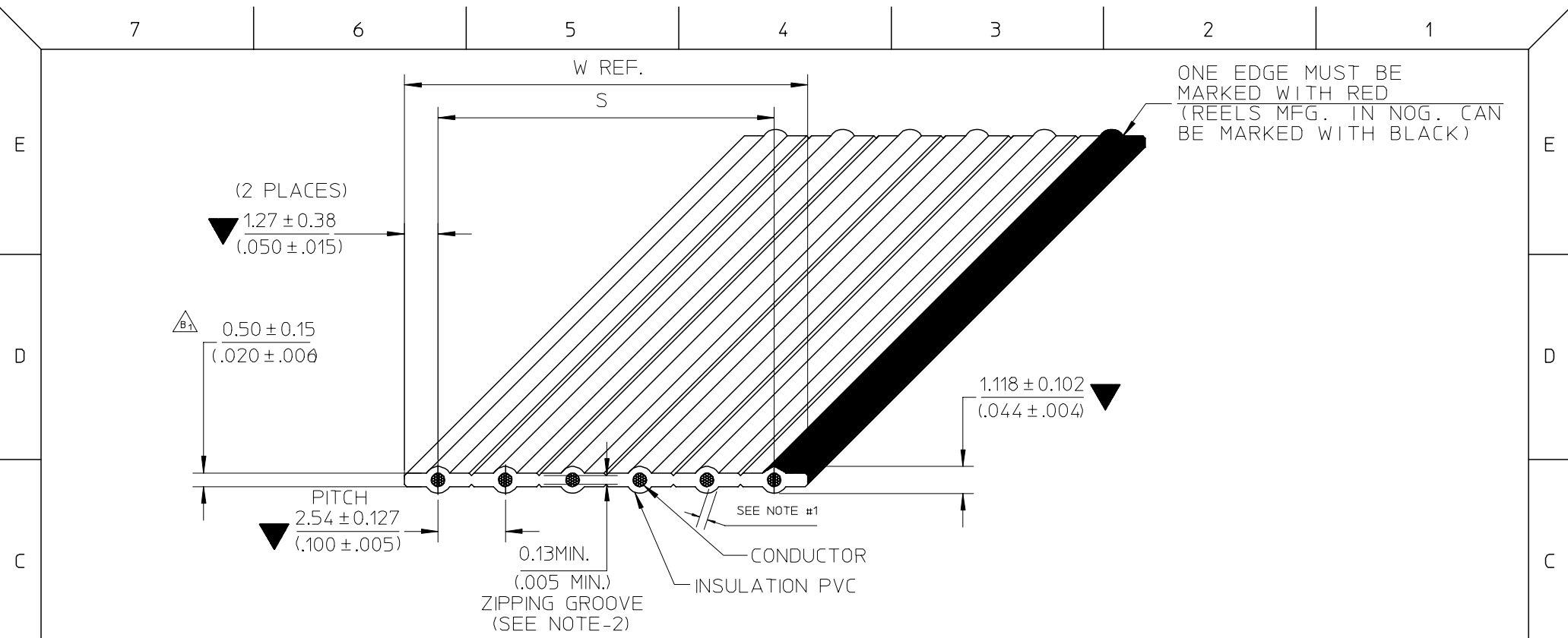
Search Parts in this Series

[24226Series](#)

Use With

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

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- 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 ₂ : ADD NON-OPERATING TEMP. B ₁ : 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 |

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

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING 2.54 (.100") \bar{C} TO \bar{C}
 WIRE GAUGE 24 AWG (7/32) 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.) 27 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE 134 OHMS NOM. (GS)
 114 OHMS NOM. (GSG)
 CAPACITANCE 6.6 pF/FT. NOM. (GS)
 12.0 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⁺³₀ FT. (30.48^{+0.914}₀ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

D

D

C

C

B

B

A

A

| | | | | | | | | | | |
|--|--------------------|-----------------|--|------------|--------------------------|--------------|---|----------------------|------------------------|--|
| 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 | DATE | TITLE | | | |
| | | = | 4 PLACES ± --- | ± --- | CPANSAKHOM | 2006/07/12 | FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED | | | |
| | | | 3 PLACES ± --- | ± --- | CHECKED BY | DATE | | | | |
| | | | 2 PLACES ± --- | ± --- | PMEECHA I | 2006/07/12 | MOLEX INCORPORATED | | | |
| | 1 PLACE ± --- | ± --- | APPROVED BY | DATE | | | | | | |
| | ANGULAR ± ---° | | SVIRATJAPOL | 2006/07/12 | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | SD-24226-001 | | 2 OF 3 | |
| | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | |

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| CHART A 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 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 2006/07/12 | TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED | | | |
| | | | 4 PLACES ± --- | ± --- | CHECKED BY PMEECHAI | DATE 2006/07/12 | | | | |
| | | | 3 PLACES ± --- | ± --- | APPROVED BY SVIRATJAPOL 2006/07/12 | | MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-24226-001 SHEET NO. 3 OF 3 | | | |
| | | | 2 PLACES ± --- | ± --- | | | | | | |
| 1 PLACE ± --- | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |