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**Part Number:** 0082244404

**Status:** Active

**Description:** 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 4 Circuits, Reel 30.48m (100.0' ) Length

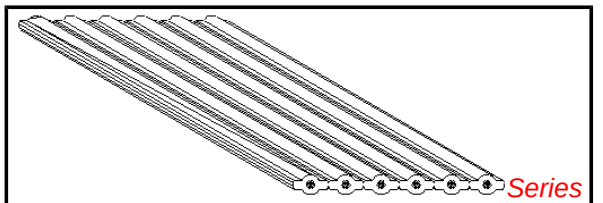


*image - Reference only*

**Documents:**
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR61126 |
| UL | E61522 |

## General

| | |
|---|---|
| Product Family | Cable |
| Series | 24472 |
| 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) | 0.079 In |
| Pitch - Term. Interface (mm) | 2.00 mm |
| Temperature Range - Operating | -20°C to +105°C |
| Wire Size AWG | 24 |
| Wire/Cable Type | (7x32) Stranded, Topcoat |

## Electrical

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

## Material Info

| | |
|---|---|
| Old Part Number | 24472-04-100B |

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-24472-001 |

**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

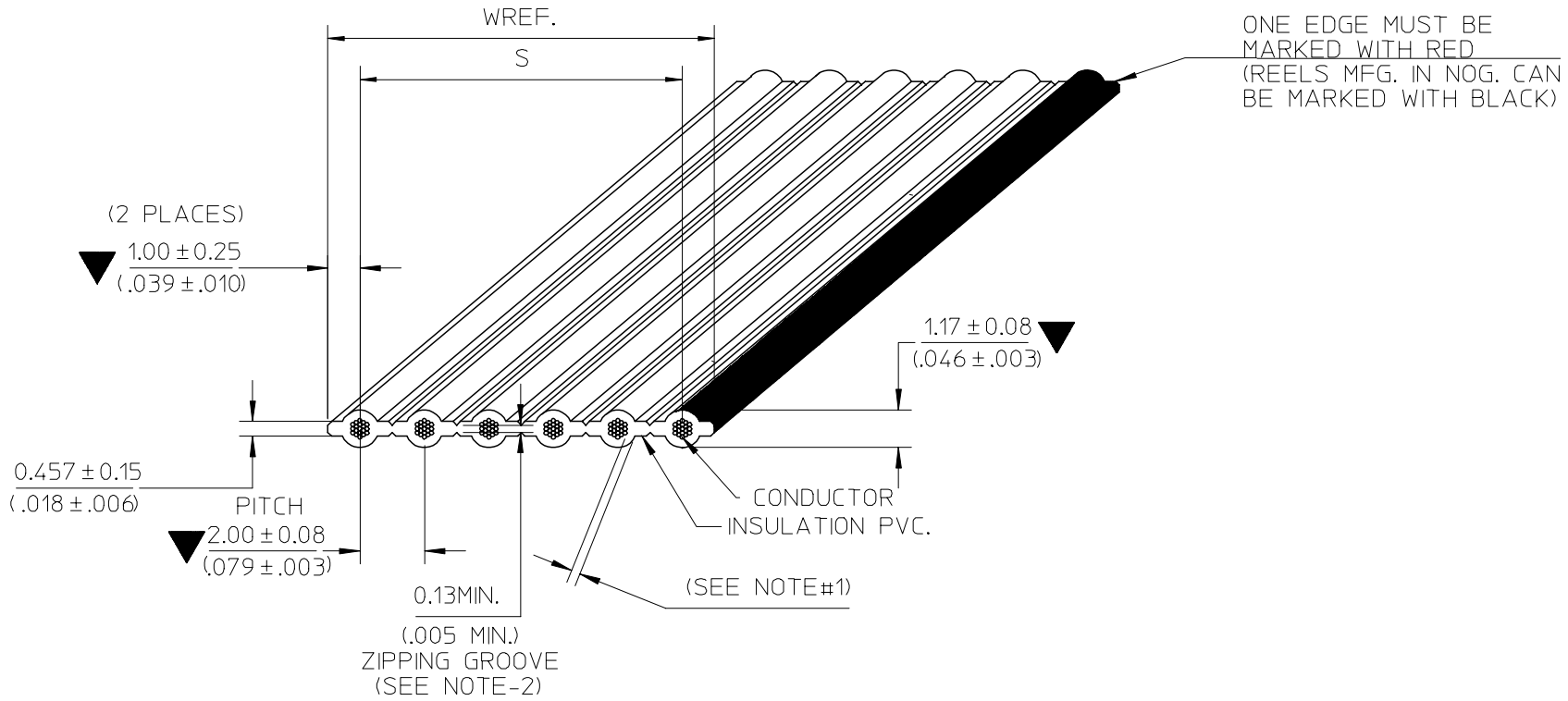
Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
24472Series

**Use With**
52484 Wire-to-Board, IDT Receptacle Housing

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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

| REV. HISTORY | EC NO. | DETAIL | DATE |
|---|---|---|---|
| B | E-07-0748 | $B_2$: ADD NON-OPERATING TEMP.<br>$B_1$: ADD SOLDERING CONDITION | 07/10/01 |
| A | N/A | NEW RELEASE | 06/08/09 |

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=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: MM/IN
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: CPANSAKHOM DATE: 2006/08/09
CHECKED BY: PMEECHAI DATE: 2006/08/09
APPROVED BY: SVIRATJAPOL DATE: 2006/08/09

TITLE: FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-24472-001
SHEET NO.: 1 OF 3
SIZE: A4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

## SPECIFICATIONS

### PHYSICAL

| | |
|---|---|
| CONDUCTOR SPACING | 2.00 (.079") ℄ TO ℄ |
| WIRE GAUGE | 24 AWG(7/32) STRANDED TOPCOATED |
| 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.) | 24.0 m OHMS/FT. MAX. |
| CHARACTERISTIC IMPEDANCE | 148 OHMS NOM. (GS)<br>106 OHMS NOM. (GSG) |
| CAPACITANCE | 8.5 pF/FT. NOM. (GS)<br>13.4 pF/FT. NOM. (GSG) |
| PROPAGATION DELAY | 1.4 ns/FT. NOM. |
| INSULATION RESISTANCE | 10M OHMS (10FT. SAMPLE) |
| DIELECTRIC WITHSTAND VOLTAGE | 2000 VRMS/MINUTE |

### GENERAL

| | |
|---|---|
| △B2 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<br>20FT. (6.096M.) MIN. LENGTH |

### △B1 SOLDERING CONDITION

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

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼ =
△C = 

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
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY | CPANSAKHOM | DATE 2006/08/09 |
| CHECKED BY | PMEECHAI | DATE 2006/08/09 |
| APPROVED BY | SVIRATJAPOL | DATE 2006/08/09 |

TITLE: FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-24472-001
SHEET NO.: 2 OF 3

SIZE A4

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| CHART A | | | | |
|---|---|---|---|---|
| DIMENSIONS MM. (INCHES) | | | | |
| DIM. W (REF.) | DIMENSION S | NO. OF CONDUCTOR | ORDER NO. | ENGINEERING NO. |
| 4.00 (.157) | 2.00±0.08 (.079±.003) | 2 | 82-24-4402 | 24472-02-100B |
| 6.00 (.236) | 4.00±0.15 (.157±.006) | 3 | 03 | -03- |
| 8.00 (.315) | 6.00±0.23 (.236±.009) | 4 | 04 | -04- |
| 10.00 (.394) | 8.00±0.28 (.315±.011) | 5 | 05 | -05- |
| 12.00 (.472) | 10.00±0.28 (.394±.011) | 6 | 06 | -06- |
| 14.00 (.551) | 12.00±0.28 (.472±.011) | 7 | 07 | -07- |
| 16.00 (.630) | 14.00±0.28 (.551±.011) | 8 | 08 | -08- |
| 18.00 (.709) | 16.00±0.28 (.630±.011) | 9 | 09 | -09- |
| 20.00 (.787) | 18.00±0.28 (.709±.011) | 10 | 10 | -10- |
| 22.00 (.866) | 20.00±0.28 (.787±.011) | 11 | 11 | -11- |
| 24.00 (.945) | 22.00±0.28 (.866±.011) | 12 | 12 | -12- |
| 26.00 (1.024) | 24.00±0.28 (.945±.011) | 13 | 13 | -13- |
| 28.00 (1.102) | 26.00±0.28 (1.024±.011) | 14 | 14 | -14- |
| 30.00 (1.181) | 28.00±0.28 (1.102±.011) | 15 | 15 | -15- |
| 32.00 (1.260) | 30.00±0.28 (1.181±.011) | 16 | 16 | -16- |
| 34.00 (1.339) | 32.00±0.28 (1.260±.011) | 17 | 17 | -17- |
| 36.00 (1.417) | 34.00±0.28 (1.339±.011) | 18 | 18 | -18- |
| 38.00 (1.496) | 36.00±0.28 (1.417±.011) | 19 | 19 | -19- |
| 40.00 (1.575) | 38.00±0.28 (1.496±.011) | 20 | 20 | -20- |
| 42.00 (1.654) | 40.00±0.28 (1.575±.011) | 21 | 21 | -21- |
| 44.00 (1.732) | 42.00±0.28 (1.654±.011) | 22 | 22 | -22- |
| 46.00 (1.811) | 44.00±0.28 (1.732±.011) | 23 | 23 | -23- |
| 48.00 (1.890) | 46.00±0.28 (1.811±.011) | 24 | 24 | -24- |
| 50.00 (1.969) | 48.00±0.28 (1.890±.011) | 25 | 25 | -25- |
| 52.00 (2.047) | 50.00±0.28 (1.969±.011) | 26 | 26 | -26- |
| 54.00 (2.126) | 52.00±0.28 (2.047±.011) | 27 | 27 | -27- |
| 56.00 (2.205) | 54.00±0.28 (2.126±.011) | 28 | 82-24-4428 | 24472-28-100B |

ENGINEERING NO.

24472-XX-XXXX
A B C D

A : CABLE 2.00mm. (.079") CENTERS 24AWG STRANDED TOPCOATED
B : CONDUCTOR SIZE ( AVAILABILITY 2 THROUGH 28 )
C : CABLE LENGTH ( 100FT. )
D : A = INCHES
B = FEET

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
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