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Part Number: [0082244410](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 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 [24472](#)
 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) 0.079 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 24472-10-100B

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](#)

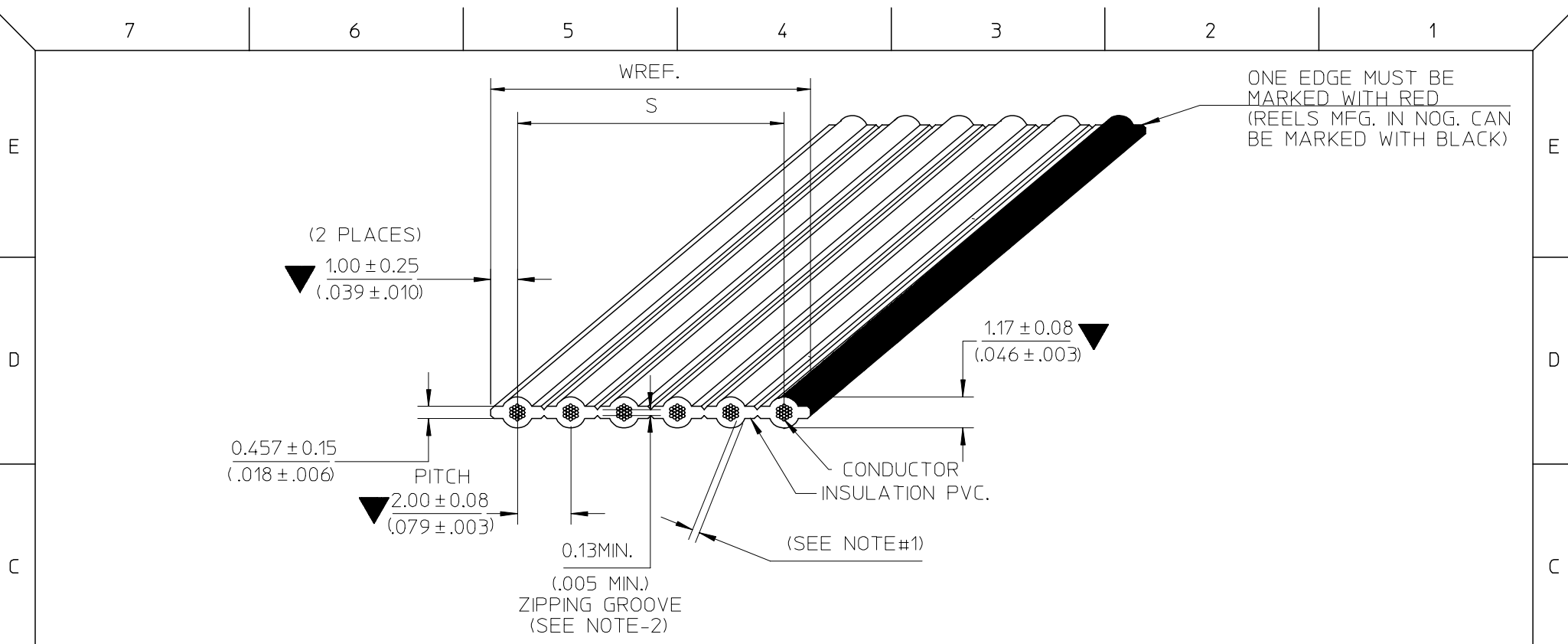
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[24472Series](#)

Use With

[52484](#) Wire-to-Board, IDT Receptacle Housing



- 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 ₃ : ADD SOLDERING CONDITION | 07/10/01 |
| A | N/A | NEW RELEASE | 06/08/09 |
| 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 | 2006/08/09 |
| CHECKED BY | DATE |
| PMEECHAI | 2006/08/09 |
| APPROVED BY | DATE |
| SVIRATJAPOL | 2006/08/09 |
| MATERIAL NO. | |
| SEE CHART | |
| SIZE | |
| A/4 | |

| | | |
|---|--------------|------------------------|
| SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| NTS | INCH | |
| TITLE | | |
| FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED | | |
| MOLEX INCORPORATED | | |
| DOCUMENT NO. | SHEET NO. | |
| SD-24472-001 | 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 ----- .200 (.079") C TO C
 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)
 ----- .106 OHMS NOM. (GSG)
 CAPACITANCE ----- .8.5 pF/FT. NOM. (GS)
 ----- .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

$\triangle B_2$ 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
 $\triangle B_1$ 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 REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | $\blacktriangledown =$ | mm | INCH | MM/IN | | NTS | INCH | | |
| | $\triangle C =$ | 4 PLACES \pm ---- | \pm ---- | DRAWN BY | DATE | TITLE | | | |
| | | 3 PLACES \pm ---- | \pm ---- | CPANSAKHOM | 2006/08/09 | FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED | | | |
| | | 2 PLACES \pm ---- | \pm ---- | CHECKED BY | DATE | MOLEX INCORPORATED | | | |
| | 1 PLACE \pm ---- | \pm ---- | PMEECHAI | 2006/08/09 | APPROVED BY | | DATE | DOCUMENT NO. | |
| | ANGULAR \pm ---- | \pm ---- | SVIRATJAPOL | 2006/08/09 | MATERIAL NO. | | DATE | SHEET NO. | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | SD-24472-001 | | 2 OF 3 |
| | | | | | SIZE $\triangle 4$ | | 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) | | | | |
| 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 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 2006/08/09 | TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED | | | |
| | | | 4 PLACES | ± --- | ± --- | CHECKED BY PMEECHAI | DATE 2006/08/09 | MOLEX INCORPORATED | | | |
| | | | 3 PLACES | ± --- | ± --- | APPROVED BY SVIRATJAPOL | DATE 2006/08/09 | DOCUMENT NO. SD-24472-001 | | | |
| | | | 2 PLACES | ± --- | ± --- | MATERIAL NO. SEE CHART | | SHEET NO. 3 OF 3 | | | |
| 1 PLACE | ± --- | ± --- | ANGULAR ± ---° | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |