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Part Number: [0082244421](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 21 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) 21
 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 24472-21-100B

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](#)

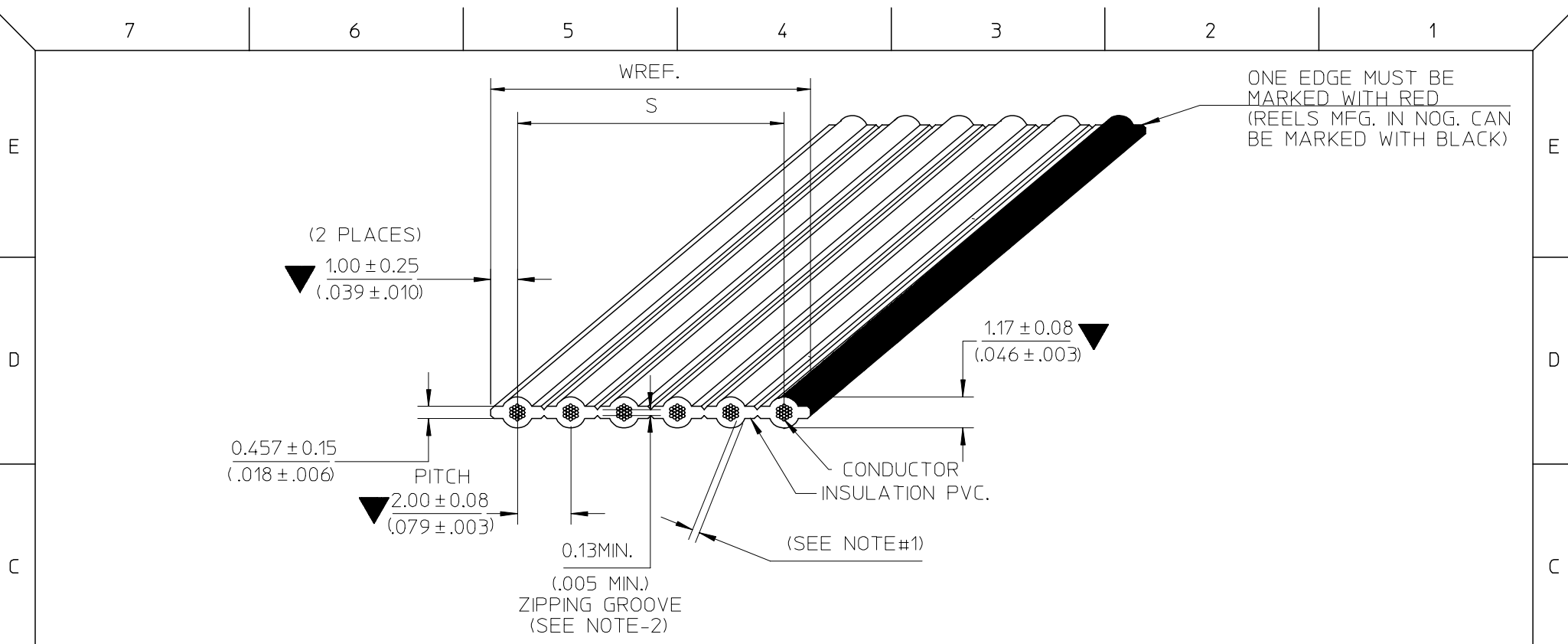
Please visit the [Contact Us](#) section for any non-product compliance questions.

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	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	
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		

7 6 5 4 3 2 1

E

E

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.00 (.079") $\text{\textcircled{C}}$ TO $\text{\textcircled{C}}$
 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

$\text{\textcircled{B}}$ NON-OPERATING TEMPERATURE _ _ _ _ _ -20°C TO 105°C
 FAULTS AND/OR SPLICES _ _ _ _ _ 1/REEL MAX. 100 \pm 3 $\frac{+0.914}{-0}$ FT. (30.48 \pm 0.914 M.)/REEL
 20FT. (6.096M.) MIN. LENGTH
 $\text{\textcircled{B}}$ SOLDERING CONDITION
 SOLDER TEMPERATURE _ _ _ _ _ -260°C. MAX.
 SOLDERING TIME _ _ _ _ _ 3 SECOND, MAX.
 INSULATION SHRINK _ _ _ _ _ 2MM. NOM

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	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	$\text{\textcircled{B}}$ = $\text{\textcircled{C}}$ =	mm	INCH	MM/IN		NTS	INCH	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 DOCUMENT NO. SD-24472-001 SHEET NO. 2 OF 3		
		4 PLACES \pm ---	\pm ---			TITLE				
		3 PLACES \pm ---	\pm ---			MOLEX INCORPORATED				
		2 PLACES \pm ---	\pm ---			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
	1 PLACE \pm ---	\pm ---	ANGULAR \pm ---		SIZE $\text{\textcircled{A}}$ 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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C

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B

A

A

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	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▽ = ▽ =	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	MM/IN	NTS	INCH	DRAWN BY DATE CPANSAKHOM 2006/08/09 CHECKED BY DATE PMEECHAI 2006/08/09 APPROVED BY DATE SVIRATJAPOL 2006/08/09	TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	DOCUMENT NO.	MOLEX INCORPORATED SD-24472-001		
				MATERIAL NO. SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
							SIZE	