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Part Number: [0082244412](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 12 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) 12
 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 24472-12-100B

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](#)

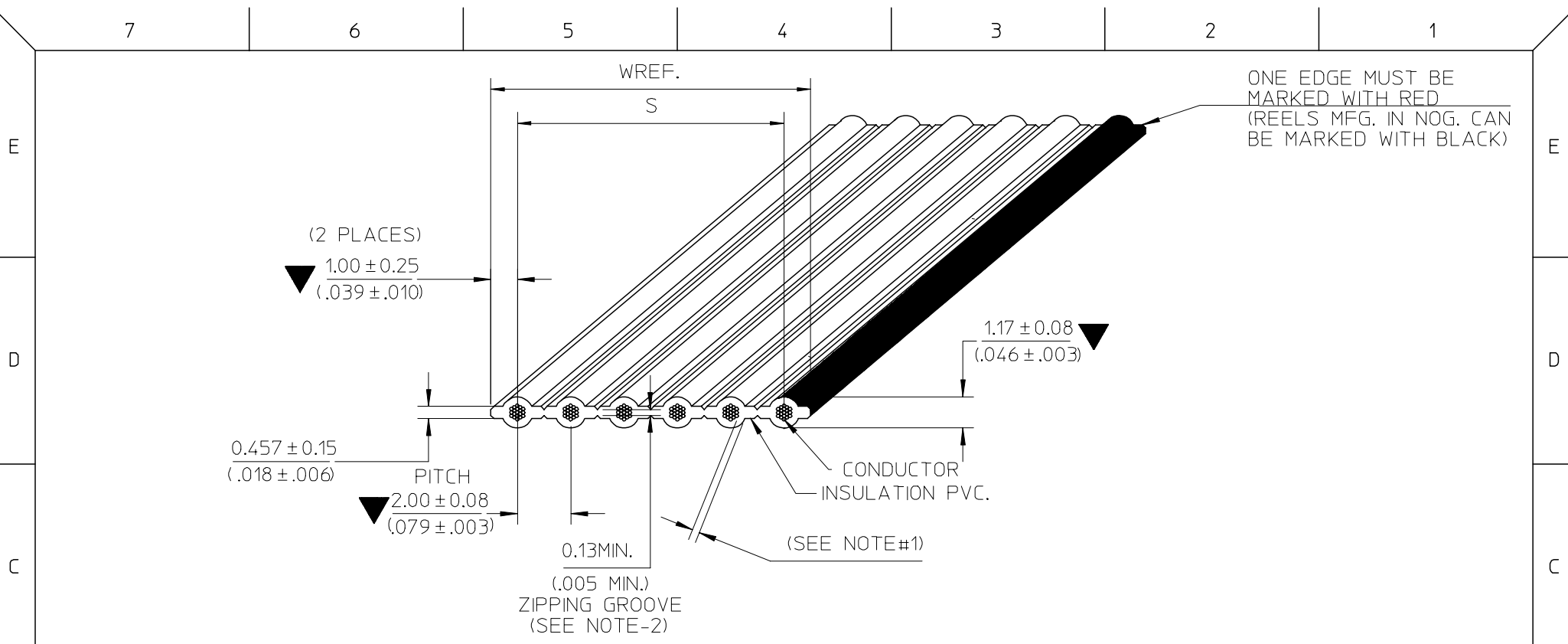
Please visit the [Contact Us](#) section for any non-product compliance questions.

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		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	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

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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

$\triangle B_2$ 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

D

D

C

C

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B

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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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		$\blacktriangledown =$ $\triangle C =$	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 ----	DRAWN BY DATE		TITLE					
				3 PLACES \pm ----	\pm ----	DATE		FCB ROUND CONDUCTOR				
				2 PLACES \pm ----	\pm ----	DATE		2.00MM(.079)CENTERS PVC.				
		1 PLACE \pm ----	\pm ----	DATE		24AWG STRANDED TOPCOATED						
		ANGULAR \pm ----°		DATE		MOLEX INCORPORATED						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE		MATERIAL NO. SEE CHART						
				DATE		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

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		▽ = ▽ =	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. 3 OF 3
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	ANGULAR ± ---°	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED					