

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082244405](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 5 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)	5
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

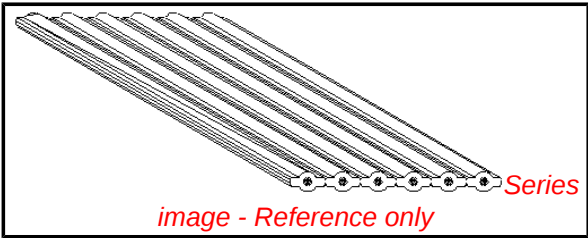
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	24472-05-100B
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Reference - Drawing Numbers

Sales Drawing	SD-24472-001
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

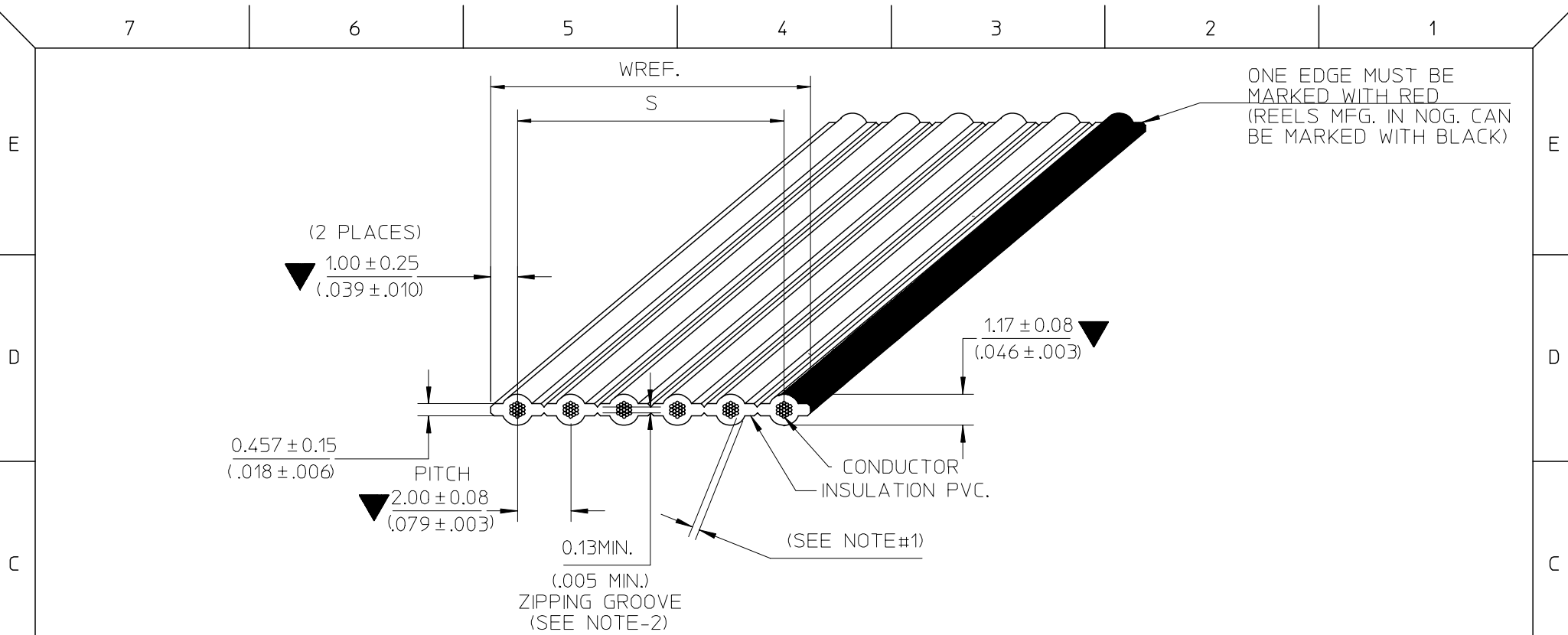
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

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	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
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 SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

7 6 5 4 3 2 1

E

E

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.00 (.079") $\varnothing$ TO $\varnothing$
 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 FT. (30.48 ± 0.914 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

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	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  MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/08/09				
			3 PLACES	± ---	± ---	APPROVED BY	DATE				
			2 PLACES	± ---	± ---	SVIRATJAPOL	2006/08/09				
			1 PLACE	± ---	± ---	MATERIAL NO.					
			ANGULAR ± ---°			SEE CHART		SD-24472-001		2 OF 3	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
						SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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

 MOLEX INCORPORATED

7		6		5		4		3		2		1		
E	CHART A													E
	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-									
D	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-									
C	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									
B														B
A														A

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

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REV

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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

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SIZE

SCALE

NTS

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

FCB ROUND CONDUCTOR

2.00MM(.079)CENTERS PVC.

24AWG STRANDED TOPCOATED

MOLEX INCORPORATED

DOCUMENT NO.

SD-24472-001

SHEET NO.

3 OF 3

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Rev. E 2006/04/15

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ENGINEERING NO.

24472-XX-XXXX
A B C D

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