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Part Number: [0082244424](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 24 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)	24
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

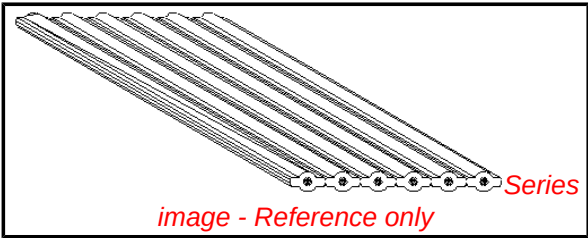
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	24472-24-100B
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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



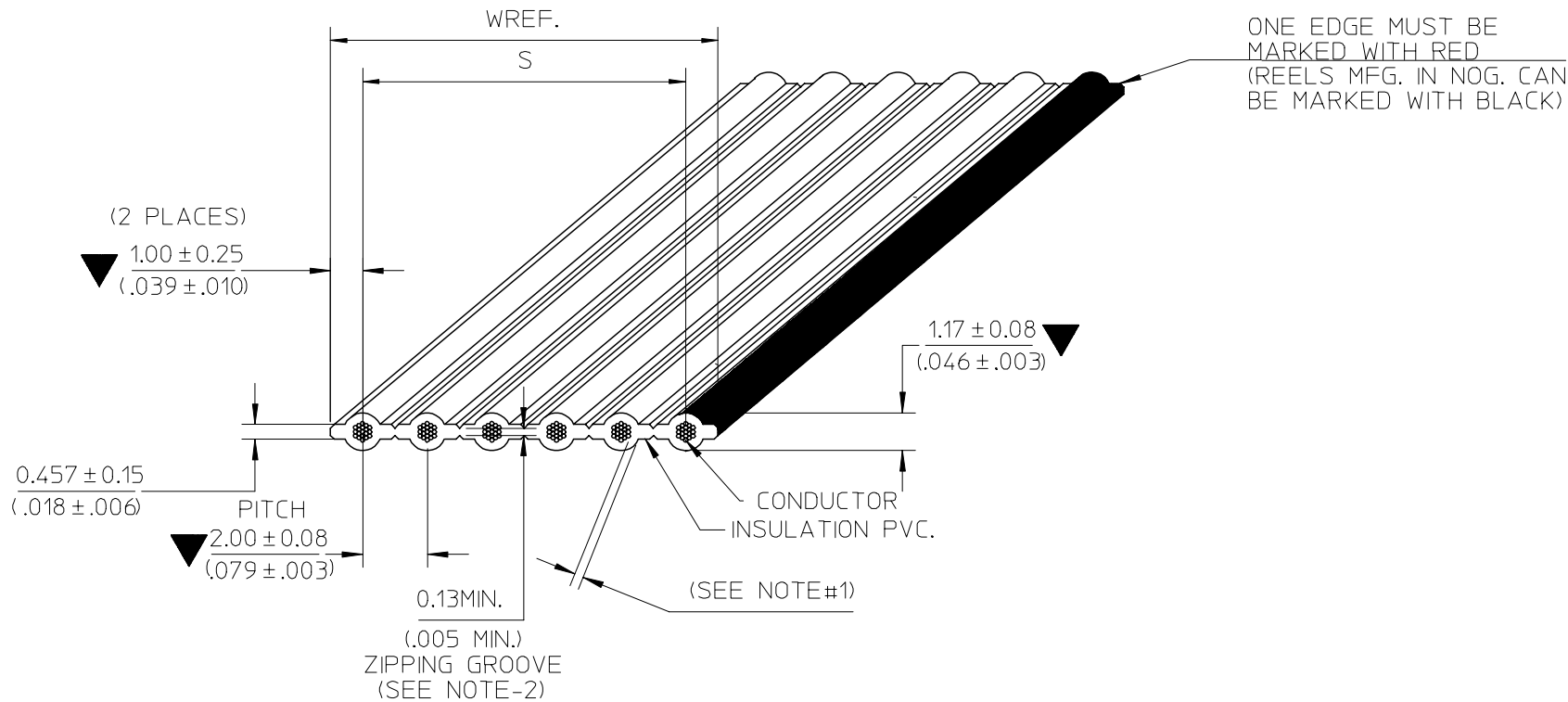
Need more information on product environmental compliance?

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



- 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
$\nabla=3$	
$\nabla=0$	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES	$\pm \text{---}$
3 PLACES	$\pm \text{---}$
2 PLACES	$\pm \text{---}$
1 PLACE	$\pm \text{---}$
ANGULAR $\pm \text{---}^\circ$	
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. SD-24472-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

D

C

B

A

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

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
 20 FT. (6.096 M.) MIN. LENGTH

 SOLDERING CONDITION

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

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

	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							
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 MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION					
DESCRIPTION			REV	▽ = ▽ =	mm		DATE		TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED						
					4 PLACES	± ---	± ---	DRAWN BY CPANSAKHOM					DATE 2006/08/09		
					3 PLACES	± ---	± ---	CHECKED BY PMEECHAI					DATE 2006/08/09		
					2 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL					DATE 2006/08/09		
					1 PLACE	± ---	± ---	MATERIAL NO.					DOCUMENT NO.		
					ANGULAR ± ---°		SEE CHART		SD-24472-001		SHEET NO. 3 OF 3				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
tb_frame_A4_P_ME_T Rev. E 2006/04/15															

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