

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082247706](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Tinned, 6 Circuits, Reel 30.48m (100.0') Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Cable
Series	24226
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	6
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	24
Wire/Cable Type	(7x32) Stranded, Tinned

Electrical

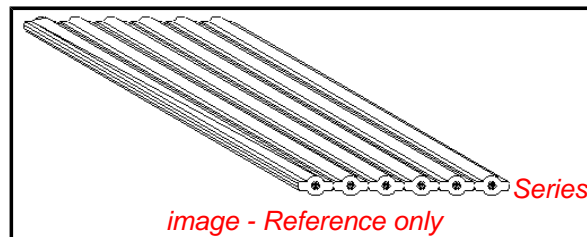
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	24226-06-100B
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Reference - Drawing Numbers

Sales Drawing	SD-24226-001
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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](#)

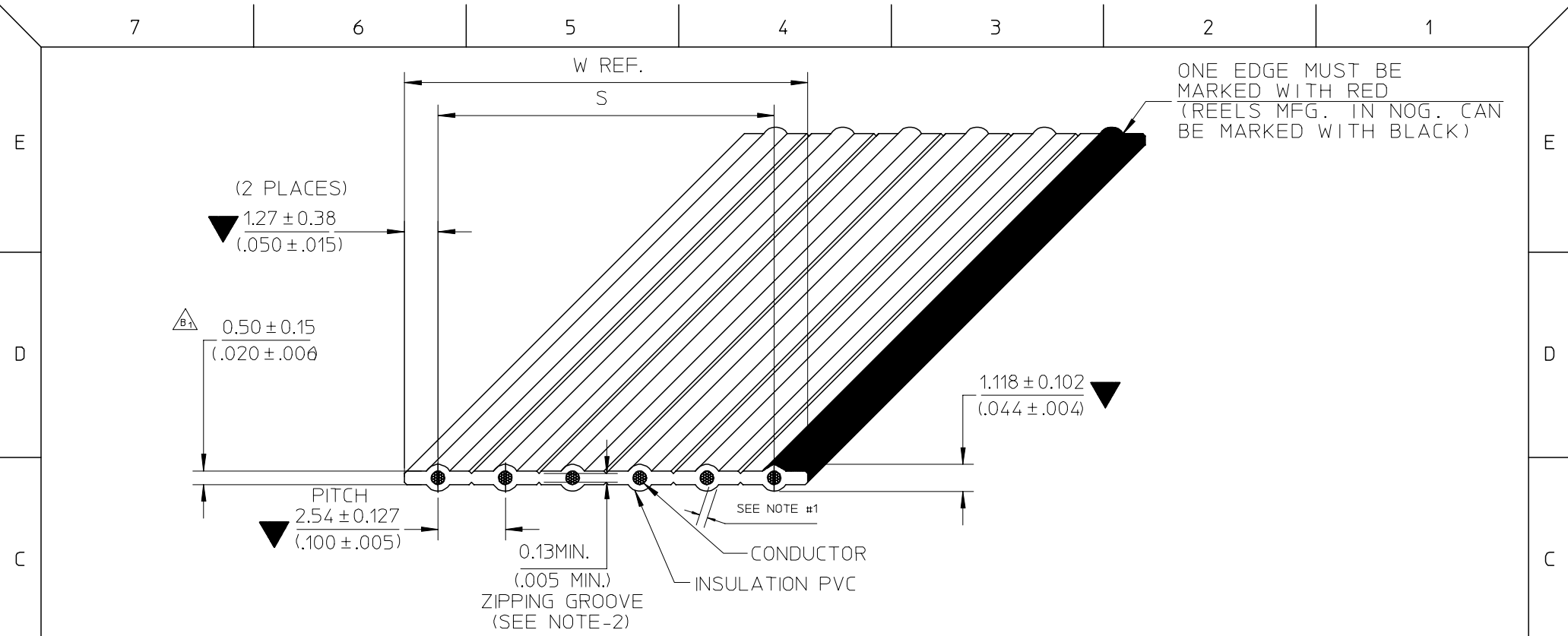
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[24226Series](#)

Use With

[70400](#) C-Grid SL™ IDT Connector Assembly.
[70475](#) SL™ IDT Connector Assembly.
[7720](#) KK® IDT Double Cantilever Contact



- 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 ₁ : CHANGE WEB THICKNESS	07/09/26
A	N/A	NEW RELEASE	06/07/12
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	2006/07/12
CHECKED BY	DATE
PMEECHAI	2006/07/12
APPROVED BY	DATE
SVIRATJAPOL	2006/07/12
MATERIAL NO.	SEE CHART

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-24226-001	1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 2.54 (.100") \bar{C} TO \bar{C}
 WIRE GAUGE ----- 24 AWG (7/32) STRANDED TINNED
 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.) ----- 27 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE ----- 134 OHMS NOM. (GS)
 114 OHMS NOM. (GSG)
 CAPACITANCE ----- 6.6 pF/FT. NOM. (GS)
 12.0 pF/FT. NOM. (GSG)
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.
 INSULATION RESISTANCE ----- 10 M 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⁺³₀ FT. (30.48^{+0.914}₀ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

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/IN		NTS	INCH				
		\blacktriangledown = $\triangle C$ =		mm	INCH	DRAWN BY	DATE	TITLE					
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		2 PLACES	± ---	± ---	PMEECHA I	2006/07/12							
		1 PLACE	± ---	± ---	APPROVED BY	DATE							
		ANGULAR ± ---°		SVIRATJAPOL		2006/07/12							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.	DOCUMENT NO.			SHEET NO.			
						SEE CHART		SD-24226-001			2 OF 3		
						SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
						A 4							

E

D

C

B

A

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B

A

CHART A DIMENSIONS MM (INCHES)				SHIPPED ON 100FT REELS	
ENG. NO.	NO. OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
24226-2	2	2.54±0.10 (.100±.004)	5.08 (.200)	24226-02-100B	82-24-7702
24226-3	3	5.08±0.20 (.200±.008)	7.62 (.300)	24226-03-100B	82-24-7703
24226-4	4	7.62±0.30 (.300±.012)	10.16 (.400)	24226-04-100B	82-24-7704
24226-5	5	10.16±0.33 (.400±.013)	12.70 (.500)	24226-05-100B	82-24-7705
24226-6	6	12.70±0.33 (.500±.013)	15.24 (.600)	24226-06-100B	82-24-7706
24226-7	7	15.24±0.33 (.600±.013)	17.78 (.700)	24226-07-100B	82-24-7707
24226-8	8	17.78±0.33 (.700±.013)	20.32 (.800)	24226-08-100B	82-24-7708
24226-9	9	20.32±0.33 (.800±.013)	22.86 (.900)	24226-09-100B	82-24-7709
24226-10	10	22.86±0.33 (.900±.013)	25.40 (1.000)	24226-10-100B	82-24-7710
24226-11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)	24226-11-100B	82-24-7711
24226-12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)	24226-12-100B	82-24-7712
24226-13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)	24226-13-100B	82-24-7713
24226-14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)	24226-14-100B	82-24-7714
24226-15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)	24226-15-100B	82-24-7715
24226-16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)	24226-16-100B	82-24-7716
24226-17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)	24226-17-100B	82-24-7717
24226-18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)	24226-18-100B	82-24-7718
24226-19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)	24226-19-100B	82-24-7719
24226-20	20	48.26±0.33 (1.900±.013)	50.80 (2.000)	24226-20-100B	82-24-7720

ENGINEERING NO.

24226-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 24 AWG STRANDED TINNED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M.)

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																												
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