

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0082247718](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Tinned, 18 Circuits, Reel 30.48m (100.0' ) Length

**Documents:**

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

**General**

Product Family	Cable
Series	<a href="#">24226</a>
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

**Physical**

Cable Length	30.48m (100.0' )
Circuits (Loaded)	18
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**

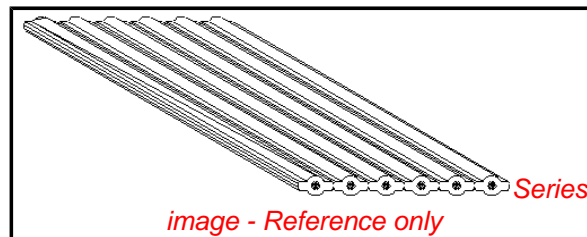
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

**Material Info**

Old Part Number	24226-18-100B
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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](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

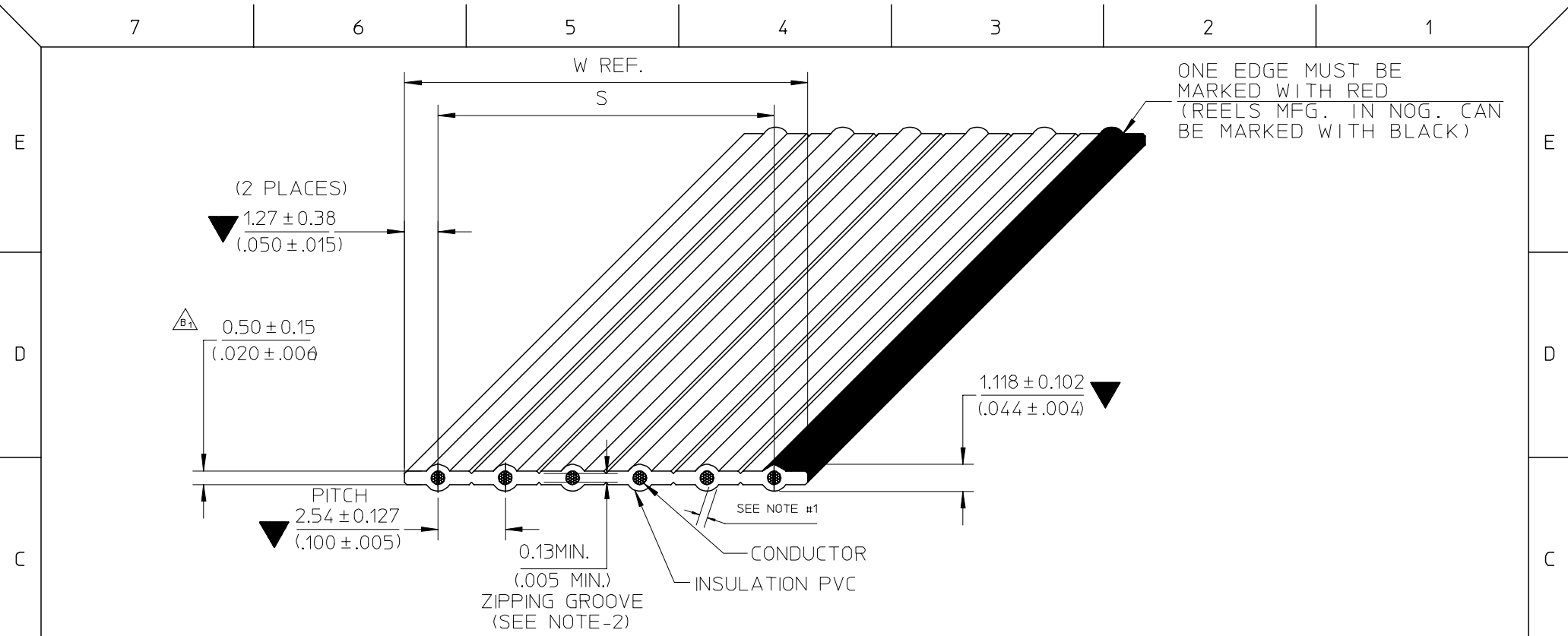
Please visit the [Contact Us](#) section for any non-product compliance questions.

**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 <sub>2</sub> : ADD NON-OPERATING TEMP. B <sub>1</sub> : 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
▽=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	2006/07/12
CHECKED BY	DATE
PMEECHAI	2006/07/12
APPROVED BY	DATE
SVIRATJAPOL	2006/07/12
MATERIAL NO.	
SEE CHART	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED		
MOLEX MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-24226-001	1 OF 3

7 6 5 4 3 2 1

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ..... 2.54 (.100") CL TO CL
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

NON-OPERATING TEMPERATURE ..... -20°C TO 105°C
FAULTS AND/OR SPLICES ..... 1/REEL MAX. 100+3/0 FT. (30.48+0.914 M.)/REEL
20FT. (6.096M.) MIN. LENGTH

Table containing technical specifications: QUALITY SYMBOLS, GENERAL TOLERANCES (mm, INCH), DIMENSION STYLE (MM/IN), SCALE (NTS, INCH), DESIGN UNITS (INCH), THIRD ANGLE PROJECTION, DRAWN BY (CPANSAKHOM), CHECKED BY (PMEECHAI), APPROVED BY (SVIRATJAPOL), MATERIAL NO. (SEE CHART), DOCUMENT NO. (SD-24226-001), SHEET NO. (2 OF 3), and a disclaimer: THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED...

6 5 4 3 2 1

E

D

C

B

A

E

D

C

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	
		▴ = ▽ =	mm      INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DRAWN BY      DATE CPANSAKHOM    2006/07/12 CHECKED BY      DATE PMEECHAI      2006/07/12 APPROVED BY      DATE SVIRATJAPOL    2006/07/12	TITLE	FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	MOLEX INCORPORATED DOCUMENT NO. SD-24226-001		SHEET NO.	3 OF 3
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			