

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

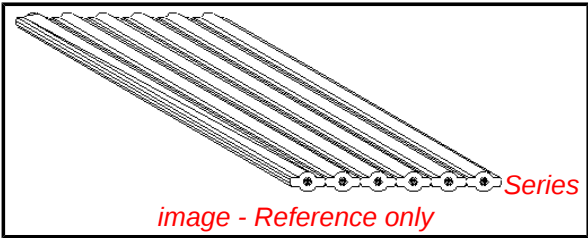
0082247718

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	24226
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
Reference - Drawing Numbers	
Sales Drawing	SD-24226-001

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

24226Series

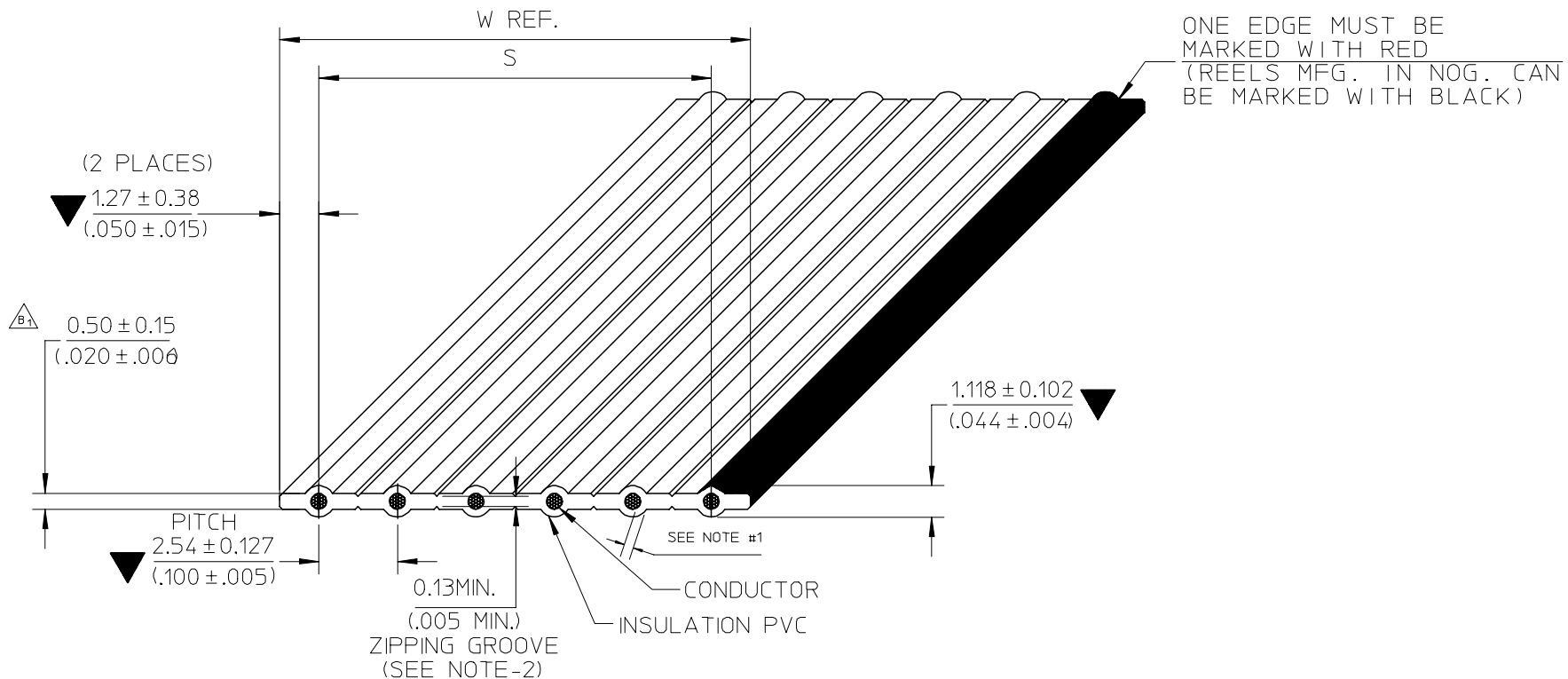
Use With

70400 C-Grid SL™ IDT Connector Assembly.

70475 SL™ IDT Connector Assembly.

7720 KK® IDT Double Cantilever Contact

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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 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
SVIRAT JAPOL	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
A 4	

THIRD ANGLE PROJECTION	
FCB ROUND CONDUCTOR 2.54MM(.100)CENTERS PVC. 24AWG STR TINNED	
MOLEX INCORPORATED	
SD-24226-001	1 OF 3

7 6 5 4 3 2 1

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _____ 2.54 (.100") $\overline{C}$ TO $\overline{C}$
 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

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 REV	QUALITY SYMBOLS ▽ = ▽C =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
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			3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL		DATE 2006/07/12	MOLEX MOLEX INCORPORATED					
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-24226-001	SHEET NO. 2 OF 3					
			ANGULAR ± ---°											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
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E	<table><tr><th colspan="4">CHART A</th><th colspan="2">SHIPPED ON 100FT REELS</th></tr><tr><th colspan="4">DIMENSIONS MM (INCHES)</th><th colspan="2"></th></tr><tr><th>ENG. NO.</th><th>NO. OF COND.</th><th>DIMENSION S</th><th>DIM. W (REF)</th><th>ENGINEERING NO.</th><th>ORDER NO.</th></tr><tr><td>24226-2</td><td>2</td><td>2.54±0.10 (.100±.004)</td><td>5.08 (.200)</td><td>24226-02-100B</td><td>82-24-7702</td></tr><tr><td>24226-3</td><td>3</td><td>5.08±0.20 (.200±.008)</td><td>7.62 (.300)</td><td>24226-03-100B</td><td>82-24-7703</td></tr><tr><td>24226-4</td><td>4</td><td>7.62±0.30 (.300±.012)</td><td>10.16 (.400)</td><td>24226-04-100B</td><td>82-24-7704</td></tr><tr><td>24226-5</td><td>5</td><td>10.16±0.33 (.400±.013)</td><td>12.70 (.500)</td><td>24226-05-100B</td><td>82-24-7705</td></tr><tr><td>24226-6</td><td>6</td><td>12.70±0.33 (.500±.013)</td><td>15.24 (.600)</td><td>24226-06-100B</td><td>82-24-7706</td></tr><tr><td>24226-7</td><td>7</td><td>15.24±0.33 (.600±.013)</td><td>17.78 (.700)</td><td>24226-07-100B</td><td>82-24-7707</td></tr><tr><td>24226-8</td><td>8</td><td>17.78±0.33 (.700±.013)</td><td>20.32 (.800)</td><td>24226-08-100B</td><td>82-24-7708</td></tr><tr><td>24226-9</td><td>9</td><td>20.32±0.33 (.800±.013)</td><td>22.86 (.900)</td><td>24226-09-100B</td><td>82-24-7709</td></tr><tr><td>24226-10</td><td>10</td><td>22.86±0.33 (.900±.013)</td><td>25.40 (1.000)</td><td>24226-10-100B</td><td>82-24-7710</td></tr><tr><td>24226-11</td><td>11</td><td>25.40±0.33 (1.000±.013)</td><td>27.94 (1.100)</td><td>24226-11-100B</td><td>82-24-7711</td></tr><tr><td>24226-12</td><td>12</td><td>27.94±0.33 (1.100±.013)</td><td>30.48 (1.200)</td><td>24226-12-100B</td><td>82-24-7712</td></tr><tr><td>24226-13</td><td>13</td><td>30.48±0.33 (1.200±.013)</td><td>33.02 (1.300)</td><td>24226-13-100B</td><td>82-24-7713</td></tr><tr><td>24226-14</td><td>14</td><td>33.02±0.33 (1.300±.013)</td><td>35.56 (1.400)</td><td>24226-14-100B</td><td>82-24-7714</td></tr><tr><td>24226-15</td><td>15</td><td>35.56±0.33 (1.400±.013)</td><td>38.10 (1.500)</td><td>24226-15-100B</td><td>82-24-7715</td></tr><tr><td>24226-16</td><td>16</td><td>38.10±0.33 (1.500±.013)</td><td>40.64 (1.600)</td><td>24226-16-100B</td><td>82-24-7716</td></tr><tr><td>24226-17</td><td>17</td><td>40.64±0.33 (1.600±.013)</td><td>43.18 (1.700)</td><td>24226-17-100B</td><td>82-24-7717</td></tr><tr><td>24226-18</td><td>18</td><td>43.18±0.33 (1.700±.013)</td><td>45.72 (1.800)</td><td>24226-18-100B</td><td>82-24-7718</td></tr><tr><td>24226-19</td><td>19</td><td>45.72±0.33 (1.800±.013)</td><td>48.26 (1.900)</td><td>24226-19-100B</td><td>82-24-7719</td></tr><tr><td>24226-20</td><td>20</td><td>48.26±0.33 (1.900±.013)</td><td>50.80 (2.000)</td><td>24226-20-100B</td><td>82-24-7720</td></tr></table>					CHART A				SHIPPED ON 100FT REELS		DIMENSIONS MM (INCHES)						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	E
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