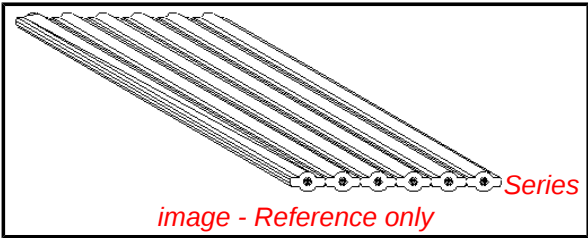


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082247720](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Tinned, 20 Circuits, Reel 30.48m (100.0') Length



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

General

Product Family	Cable
Series	8224
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	20
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	24226-20-100B
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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.

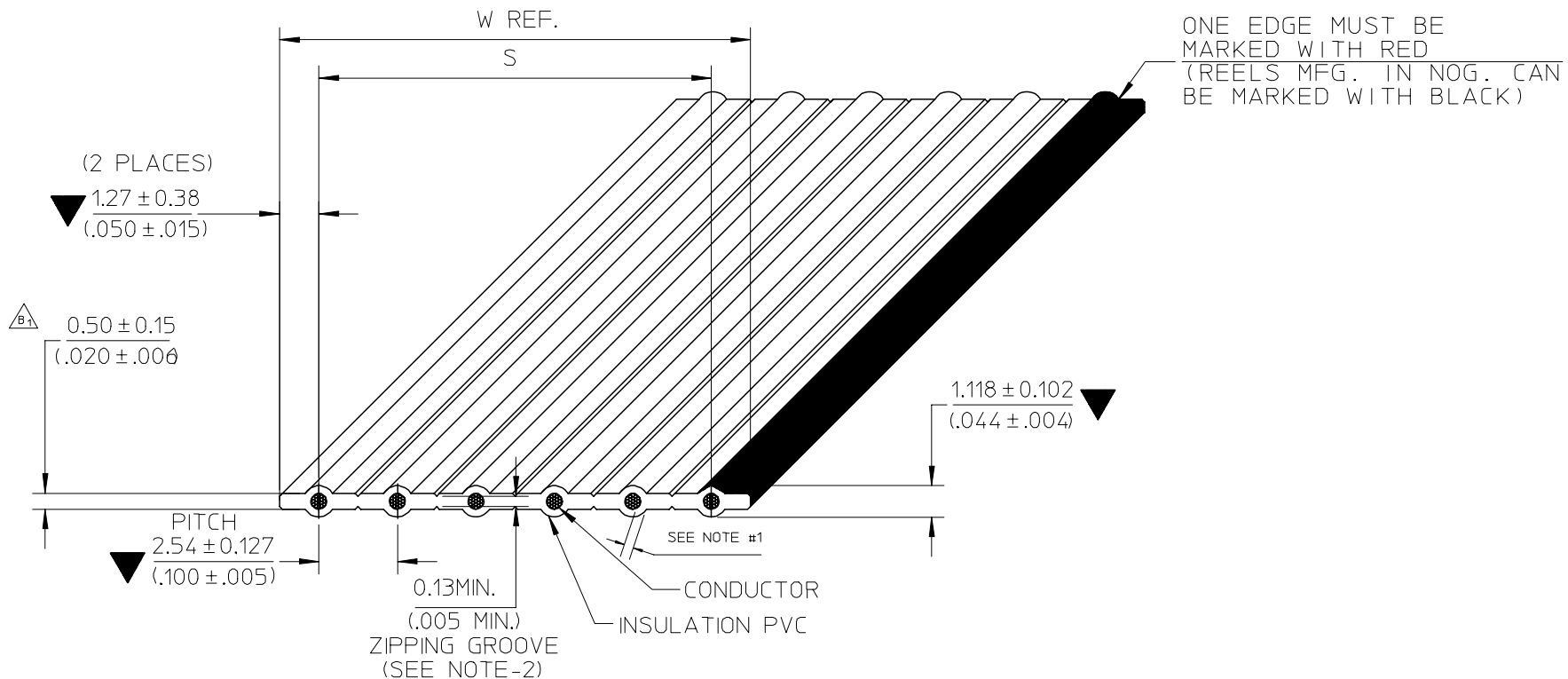
Search Parts in this Series

[8224Series](#)

Use With

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- 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

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:ONARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04				DESCRIPTION		QUALITY SYMBOLS ▽=3 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± ---°</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± ---°			DIMENSION STYLE MM/IN <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>CPANSAKHOM</td><td>2006/07/12</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>PMEECHA I</td><td>2006/07/12</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>SVIRATJAPOL</td><td>2006/07/12</td></tr></table> MATERIAL NO. SEE CHART SIZE A4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			DRAWN BY	DATE	CPANSAKHOM	2006/07/12	CHECKED BY	DATE	PMEECHA I	2006/07/12	APPROVED BY	DATE	SVIRATJAPOL	2006/07/12	SCALE NTS		DESIGN UNITS INCH		THIRD ANGLE PROJECTION	
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tb_frame_A4_P_ME_T
Rev. E 2006/04/15

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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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			ANGULAR ± ---°										
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						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

FCB ROUND CONDUCTOR
 2.54MM(.100)CENTERS PVC.
 24AWG STR TINNED

MOLEX INCORPORATED

SHEET NO.
2 OF 3

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