

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

**Part Number:** [0082265708](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (1 x 26) Solid, Tinned, 8 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 [7234](#)  
 Crimp Quality Equipment Yes  
 Geographic Area Asia  
 Product Name Ribbon

**Physical**

Cable Length 30.48m (100.0' )  
 Circuits (Loaded) 8  
 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 26  
 Wire/Cable Type (1x26) Solid, Tinned

**Electrical**

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

**Material Info**

Old Part Number 7234-08-100B

**Reference - Drawing Numbers**

Sales Drawing SD-7234-001



**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](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

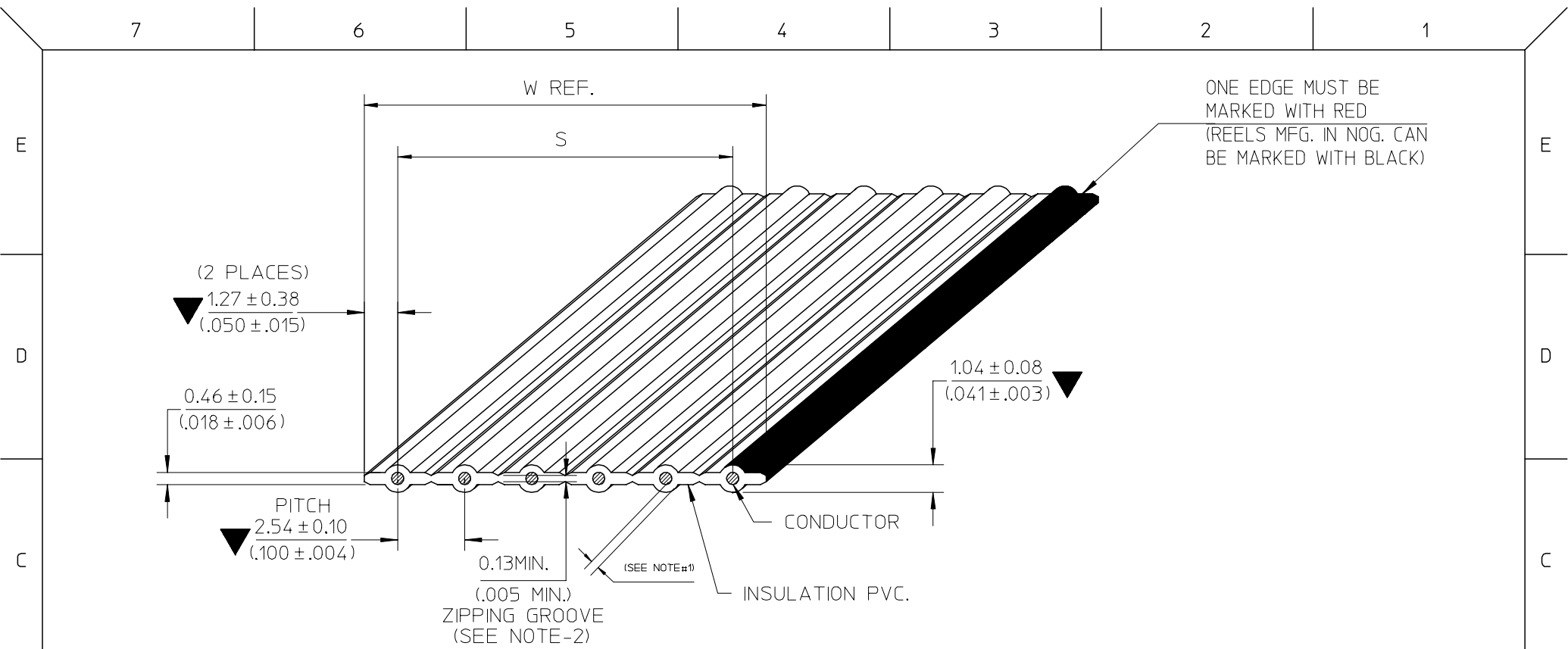
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[7234Series](#)

**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.	07/09/27	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	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	A	N/A	NEW RELEASE			06/07/18	4 PLACES	± ---	± ---	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED
	REV. HISTORY	EC NO.	DETAIL			DATE	3 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18	MOLEX MOLEX INCORPORATED
							2 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL	DATE 2006/07/18	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± ---°		MATERIAL NO. SEE CHART				
						SIZE A 4		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")  $\phi$  TO  $\phi$   
 WIRE GAUGE ----- 26 AWG(1/26) SOLID 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.) ----- 45 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE ----- 150 OHMS NOM. (GS)  
 ----- 128 OHMS NOM. (GSG)  
 CAPACITANCE ----- 5.2 pF/FT. NOM. (GS)  
 ----- 9.24 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 $\pm$ 3 FT. (30.48 $\pm$ 0.914 M.)/REEL  
 20FT. (6.096M.) MIN. LENGTH

$\triangle B_1$  SOLDERING CONDITION

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

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04 REV B	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\blacktriangledown =$ $\triangle C =$	mm	INCH	MM/IN	NTS	INCH	DRAWN BY DATE CPANSAKHOM 2006/07/18 CHECKED BY DATE PMEECHAI 2006/07/18 APPROVED BY DATE SVIRATJAPOL 2006/07/18 MATERIAL NO. SEE CHART DOCUMENT NO. SD-7234-001 SHEET NO. 2 OF 3	
		4 PLACES $\pm$ ----	$\pm$ ----					
		3 PLACES $\pm$ ----	$\pm$ ----					
		2 PLACES $\pm$ ----	$\pm$ ----					
	1 PLACE $\pm$ ----	$\pm$ ----						
		ANGULAR $\pm$ ----						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

FCB ROUND CONDUCTOR  
 2.54MM(.100)CENTER PVC.  
 26AWG SOLID TINNED

**molex** MOLEX INCORPORATED

E

D

C

B

A

E

D

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B

A

CHART A DIMENSIONS MM. (INCHES)				SHIPPED ON 100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
7234-02	2	2.54±0.10 (.100±.004)	5.08 (.200)	7234-02-100B	82-26-5702
7234-03	3	5.08±0.20 (.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03
7234-04	4	7.62±0.30 (.300±.012)	10.16 (.400)	▲ -04- ▲	▲ 04
7234-05	5	10.16±0.33 (.400±.013)	12.70 (.500)	▲ -05- ▲	▲ 05
7234-06	6	12.70±0.33 (.500±.013)	15.24 (.600)	▲ -06- ▲	▲ 06
7234-07	7	15.24±0.33 (.600±.013)	17.78 (.700)	▲ -07- ▲	▲ 07
7234-08	8	17.78±0.33 (.700±.013)	20.32 (.800)	▲ -08- ▲	▲ 08
7234-09	9	20.32±0.33 (.800±.013)	22.86 (.900)	▲ -09- ▲	▲ 09
7234-10	10	22.86±0.33 (.900±.013)	25.40 (1.000)	▲ -10- ▲	▲ 10
7234-11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)	▲ -11- ▲	▲ 11
7234-12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)	▲ -12- ▲	▲ 12
7234-13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)	▲ -13- ▲	▲ 13
7234-14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)	▲ -14- ▲	▲ 14
7234-15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)	▲ -15- ▲	▲ 15
7234-16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)	▲ -16- ▲	▲ 16
7234-17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)	▲ -17- ▲	▲ 17
7234-18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)	▲ -18- ▲	▲ 18
7234-19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)	▲ -19- ▲	▲ 19
7234-20	20	48.26±0.33 (1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20

ENGINEERING NO.

7234-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 26 AWG SOLID TINNED

B : CONDUCTOR SIZE ( AVAILABILITY 2 THROUGH 20 )

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

D : A = INCHES

B = FEET

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