

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

**Part Number:** [0082265720](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (1 x 26) Solid, Tinned, 20 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) 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 26  
 Wire/Cable Type (1x26) Solid, Tinned

**Electrical**

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

**Material Info**

Old Part Number 7234-20-100B

**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](#)

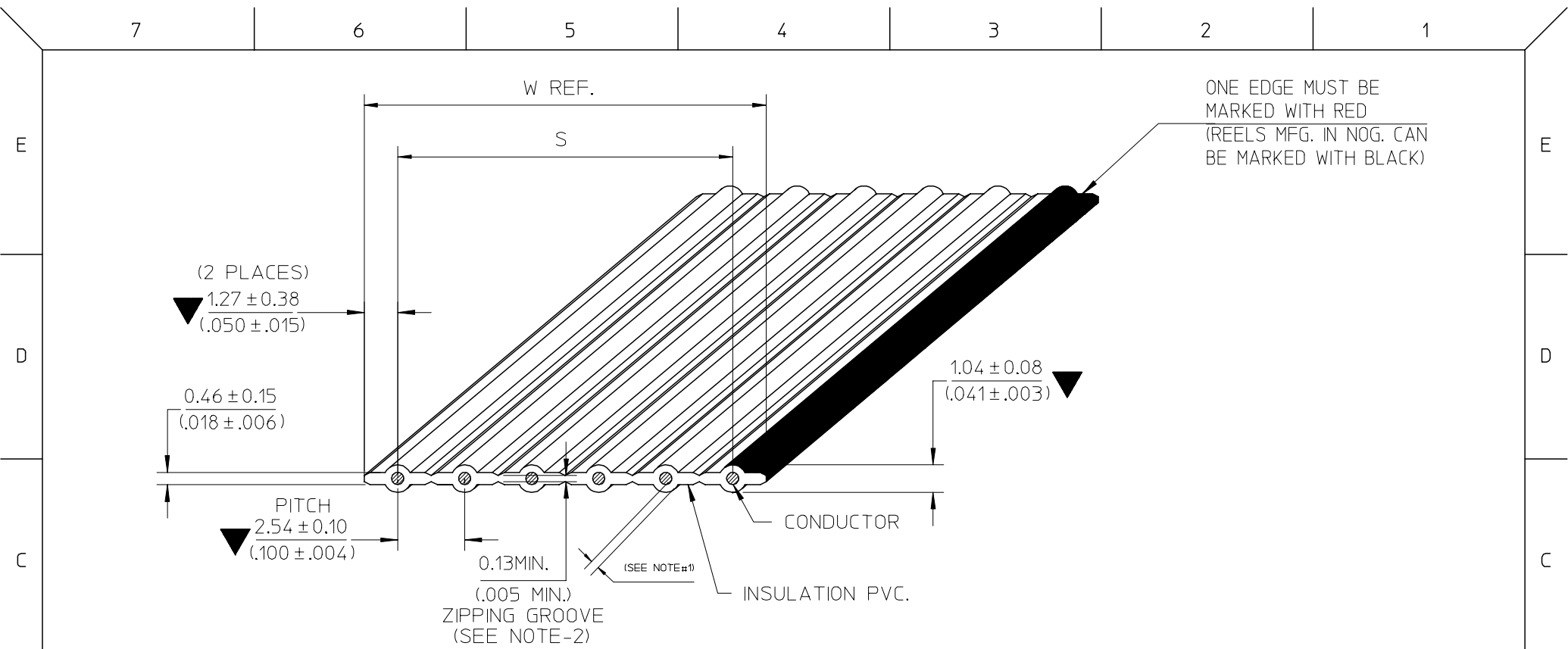
Please visit the [Contact Us](#) section for any non-product compliance questions.

**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. B <sub>3</sub> : ADD SOLDERING CONDITION	07/09/27
A	N/A	NEW RELEASE	06/07/18
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	2006/07/18
CHECKED BY	DATE
PMEECHAI	2006/07/18
APPROVED BY	DATE
SVIRATJAPOL	2006/07/18
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-7234-001	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")  $\phi$  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	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		$\blacktriangledown$ = $\triangle$ =	mm	INCH	MM/IN	NTS	INCH	DRAWN BY CPANSAKHOM DATE 2006/07/18 CHECKED BY P MEECHAI DATE 2006/07/18 APPROVED BY SVIRATJAPOL DATE 2006/07/18 MATERIAL NO. SEE CHART DOCUMENT NO. SD-7234-001 SHEET NO. 2 OF 3			
			4 PLACES $\pm$ ----	$\pm$ ----							
				3 PLACES $\pm$ ----	$\pm$ ----			TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED MOLEX MOLEX INCORPORATED			
				2 PLACES $\pm$ ----	$\pm$ ----						
		1 PLACE $\pm$ ----	$\pm$ ----	ANGULAR $\pm$ ----							

E

D

C

B

A

E

D

C

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

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	DESCRIPTION QUALITY SYMBOLS ▼ = ▽ =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			mm	INCH	MM/IN	NTS	INCH		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18	FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG SOLID TINNED		
2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
1 PLACE	± ---	± ---	PMEECHA I	2006/07/18	SD-7234-001				
ANGULAR ± ---°		APPROVED BY		DATE	SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SVIRATJAPOL		2006/07/18	3 OF 3				
		MATERIAL NO.		DOCUMENT NO.					
		SEE CHART		SD-7234-001					
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		A 4							