

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082245902](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 2 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	8997
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	2
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, Topcoat

Electrical

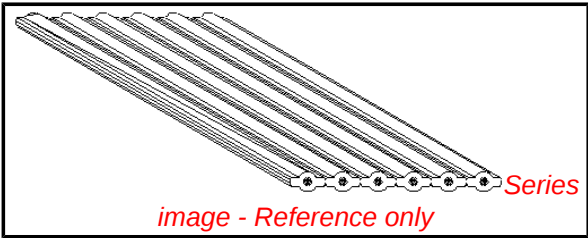
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	8997-02-100B
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Reference - Drawing Numbers

Sales Drawing	SD-8997-001
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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?

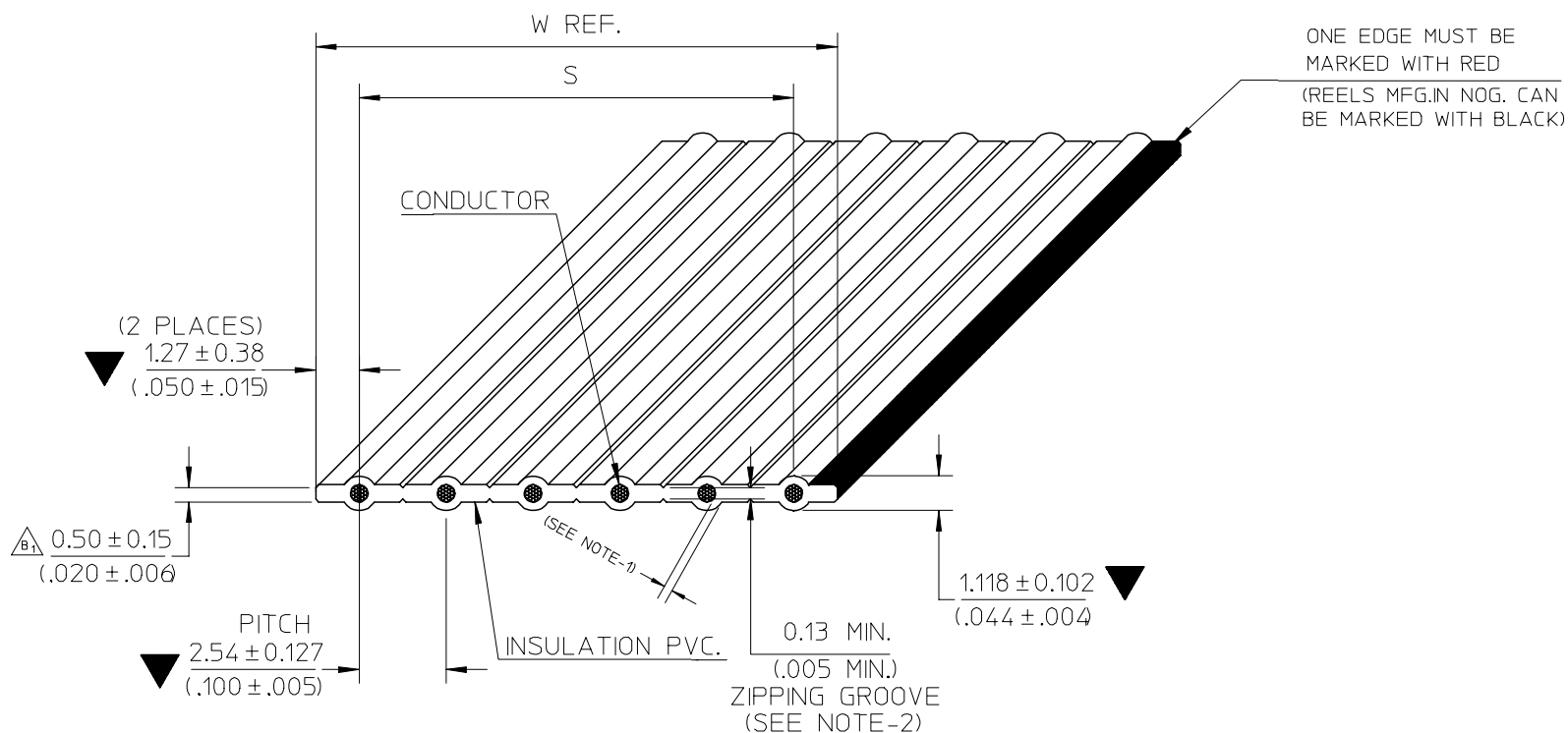
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[8997Series](#)

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 ₄ : ADD NON-OPERATING TEMP.	07/09/26
		B ₃ : ADD SOLDERING CONDITION	
		B ₂ : CHANGE ELECTRICAL	
		B ₁ : CHANGE WEB THICKNESS	
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	DESCRIPTION	QUALITY SYMBOLS ▽=3 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						MM/IN		NTS	INCH		
				mm	INCH	DRAWN BY	DATE	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18				
			3 PLACES	± ---	± ---	CHECKED BY	DATE				
			2 PLACES	± ---	± ---	PMEECHAI	2006/07/18				
			1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX			
			ANGULAR ± ---°			SVIRATJAPOL	2006/07/18				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE CHART		SD-8997-001		1 OF 3	
SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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A diagram of a diatomic molecule, B₂, represented by two 'B' atoms connected by a horizontal line.

CONDUCTOR RESISTANCE (D.C.)	27m. 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	10M OHMS (10FT. SAMPLE)
DIELECTRIC WITHSTAND VOLTAGE	2000 VRMS/MINUTE

$$\triangle B_4$$

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

 $\triangle B_3$

A SOLDERING CONDITION

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

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

