

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

**Part Number:** [0082265510](#)  
**Status:** **Active**  
**Description:** 2.50mm (.098") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34 ) Stranded, Topcoat, 10 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 [40160](#)  
 Crimp Quality Equipment Yes  
 Geographic Area Asia  
 Product Name Ribbon

**Physical**

Cable Length 30.48m (100.0' )  
 Circuits (Loaded) 10  
 Flammability VW-1  
 Insulation PVC  
 Packaging Type Reel  
 Pitch - Term. Interface (in) 0.098 In  
 Pitch - Term. Interface (mm) 2.50 mm  
 Temperature Range - Operating -20°C to +105°C  
 Wire Size AWG 26  
 Wire/Cable Type (7x34) Stranded, Topcoat

**Electrical**

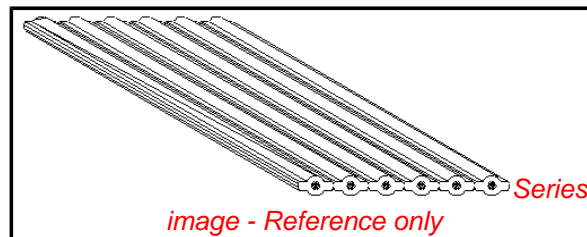
Current - Maximum per Contact N/A  
 Voltage - Maximum 300V

**Material Info**

Old Part Number 40160-10-100B

**Reference - Drawing Numbers**

Sales Drawing SD-40160-001



**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](#)

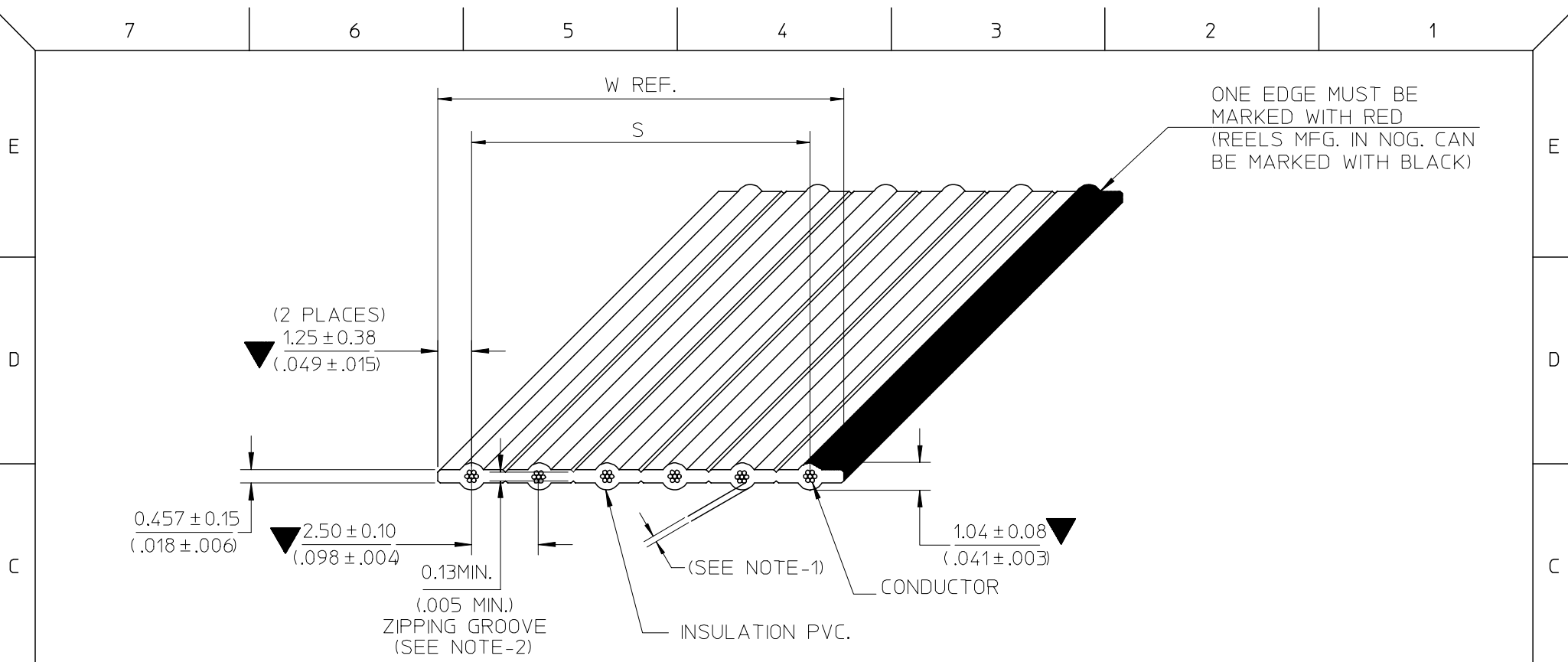
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[40160Series](#)

**Use With**

[42219 SPOX™ IDT Receptacle](#)



- 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>1</sub> : ADD SOLDERING CONDITION	07/10/02
A	N/A	NEW RELEASE	06/07/13
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
▽=3
▽=0
DESCRIPTION
REV

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	2006/07/13
CHECKED BY	DATE
PMEECHAI	2006/07/13
APPROVED BY	DATE
SVIRATJAPOL	2006/07/13
MATERIAL NO.	
SEE CHART	
SIZE	
A/4	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
TITLE		
FCB ROUND CONDUCTOR 2.50MM(.098)CENTERS PVC. 26AWG STR TOPCOATED		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-40160-001	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 ----- 2.50 (.098")  $\bar{C}$  TO  $\bar{C}$   
 WIRE GAUGE ----- 26 AWG(7/34) STRANDED TOPCOATED  
 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.) ----- 43 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE ----- 145 OHMS NOM. (GS)  
 123 OHMS NOM. (GSG)  
 CAPACITANCE ----- 5.6 pF/FT. NOM. (GS)  
 10.3 pF/FT. NOM. (GSG)  
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.  
 INSULATION RESISTANCE ----- 10M OHMS (10FT. SAMPLE)  
 DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE

GENERAL

$\triangle B_A$  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  
 20FT. (6.096M.) MIN. LENGTH

$\triangle B_A$  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		
		 =  =	mm	INCH	MM/IN	NTS	INCH	DRAWN BY DATE CPANSAKHOM 2006/07/13 CHECKED BY DATE PMEECHAI 2006/07/13 APPROVED BY DATE SVIRATJAPOL 2006/07/13 MATERIAL NO. SEE CHART DOCUMENT NO. SD-40160-001 SHEET NO. 2 OF 3		
			4 PLACES $\pm$ ----	$\pm$ ----						
				3 PLACES $\pm$ ----	$\pm$ ----			TITLE FCB ROUND CONDUCTOR 2.50MM(.098)CENTERS PVC. 26AWG STR TOPCOATED MOLEX MOLEX INCORPORATED		
		2 PLACES $\pm$ ----	$\pm$ ----							
		1 PLACE $\pm$ ----	$\pm$ ----			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS SIZE  4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		ANGULAR $\pm$ ----°								

