

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

**Part Number:** [0082266812](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded Tinned, 12 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 [8863](#)  
 Crimp Quality Equipment Yes  
 Geographic Area Asia  
 Product Name Ribbon

**Physical**

Cable Length 30.48m (100.0' )  
 Circuits (Loaded) 12  
 Insulation PVC  
 Packaging Type Reel  
 Pitch - Term. Interface (in) 0.050 In  
 Pitch - Term. Interface (mm) 1.27 mm  
 Temperature Range - Operating -20°C to +105°C  
 Wire Size AWG 26  
 Wire/Cable Type (7x34) Stranded, Tinned

**Electrical**

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

**Solder Process Data**

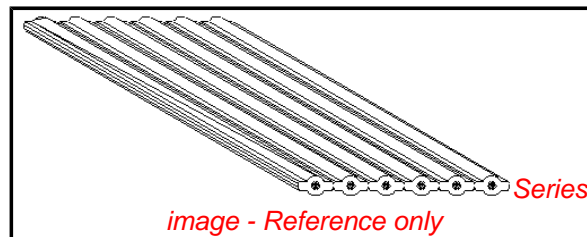
Max. Cycles at Max. Process Temperature 0

**Material Info**

Old Part Number 8863-12-100B

**Reference - Drawing Numbers**

Sales Drawing SD-8863-001



**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**

[8863Series](#)

**Use With**

[70121](#) MX-50™ Slimline Ribbon Cable.  
[90584](#) Picoflex® PF-50 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

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN: CPANSAKHOM 2007/11/28 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	DESCRIPTION B	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▼=3 □=0	mm	INCH	MM/IN	NTS	INCH		
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	DRAWN BY	DATE	TITLE
			ANGULAR ± ---°		CPANSAKHOM 2006/07/18	DATE	FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PMEECHAI 2006/07/18	DATE	MOLEX INCORPORATED		
					MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
					SEE CHART	SD-8863-001	1 OF 3		
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

B	E-07-0748	B <sub>1</sub> : ADD NON-OPERATING TEMP.	07/11/23
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 1.27 (.050")  $\zeta$  TO  $\zeta$   
 WIRE GAUGE ----- 26 AWG(7/34) 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.) ----- 43 m OHMS/FT. MAX.  
 CHARACTERISTIC IMPEDANCE ----- 115 OHMS NOM. (GS)  
 93 OHMS NOM. (GSG)  
 CAPACITANCE ----- 8.9 pF/FT. NOM. (GS)  
 18.0 pF/FT. NOM. (GSG)  
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.  
 INSULATION RESISTANCE ----- 10M OHMS (10FT. SAMPLE)  
 DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE

GENERAL

$\triangle$  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

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				
		$\blacktriangledown$ =	4 PLACES $\pm$ ----	$\pm$ ----		DRAWN BY	DATE	TITLE			
		$\triangle$ =	3 PLACES $\pm$ ----	$\pm$ ----		CPANSAKHOM	2006/07/18	FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED			
			2 PLACES $\pm$ ----	$\pm$ ----		CHECKED BY	DATE	MOLEX INCORPORATED			
	1 PLACE $\pm$ ----	$\pm$ ----		PMEECHAI	2006/07/18						
		ANGULAR $\pm$ ----	$^\circ$	APPROVED BY	DATE						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SVIRATJAPOL	2006/07/18	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				SEE CHART		SD-8863-001		2 OF 3			
				SIZE $\triangle$ 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

E

D

C

B

A

ENGINEERING NO.

8863-XX-XXXX

A B C D

A : CABLE 1.27mm. (.050") CENTERS 26AWG STRANDED TINNED
B : CONDUCTOR SIZE ( AVAILABILITY 3 THROUGH 50 )
C : CABLE LENGTH 100FT. (30.48M)
D : A = INCHES
B = FEET

DIMENSIONS MM. (INCHES)

SHIPPED ON 100FT. REELS

Table with columns: ENG. NO., NO. OF COND., DIMENSION S, DIM. W (REF), ENGINEERING NO., ORDER NO. Rows 1-50.



FCB ROUND CONDUCTOR
1.27MM(.050)CENTER PVC.
26AWG STRANDED TINNED

MOLEX INCORPORATED

SD-8863-001 3 OF 3

DRAWN BY CPANSAKHOM DATE 2006/07/18
CHECKED BY PREECHAI DATE 2006/07/18
APPROVED BY SVIRATJAPOL DATE 2006/07/18
MATERIAL NO. SEE CHART
SIZE 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES + - - -
3 PLACES + - - -
2 PLACES + - - -
1 PLACE + - - -
ANGULAR + - - - °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

QUALITY SYMBOLS
DESCRIPTION
REV

6

5

4

3

2

1