

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082266833](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded Tinned, 33 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) 33
 Circuits (maximum) 33
 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

Material Info

Old Part Number 8863-33-100B

Reference - Drawing Numbers

Sales Drawing SD-8863-001



EU RoHS

Compliance Status

Not Reviewed

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](#)

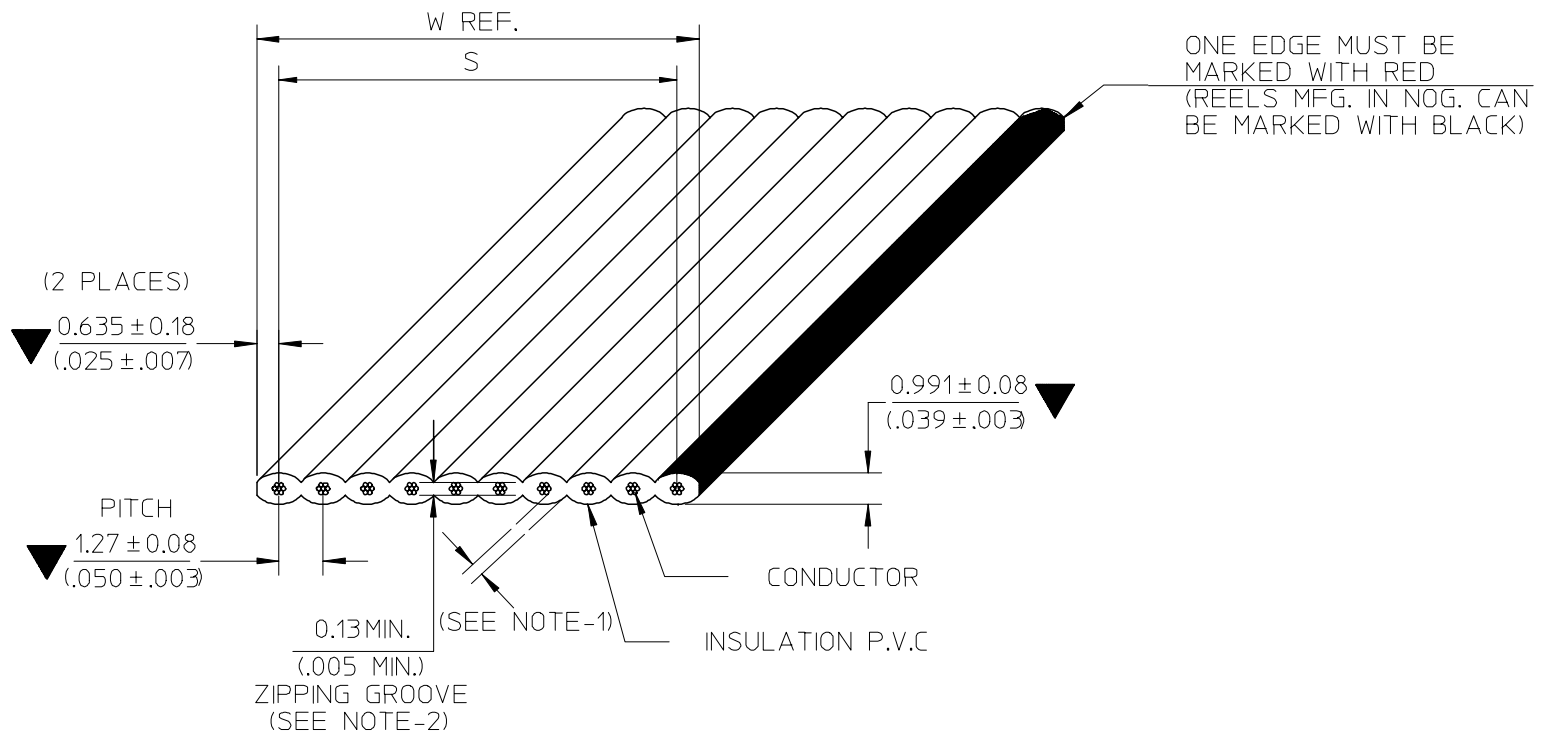
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[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	
		$\nabla = 3$ $\square = 0$	mm	INCH	MM/IN	NTS	INCH		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY DATE		TITLE		Molex FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED MOLEX INCORPORATED		
		ANGULAR ± ---°	CPANSAKHOM 2006/07/18		PMEECHAI 2006/07/18				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE		MATERIAL NO.	DOCUMENT NO.	SHEET NO.
			SVIRATJAPOL 2006/07/18		SEE CHART	SD-8863-001	1 OF 3		

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

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 1.27 (.050") ζ TO ζ
 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

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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/IN		NTS	INCH	
		\blacktriangledown = \triangle =				DRAWN BY DATE CPANSAKHOM 2006/07/18		TITLE		
						CHECKED BY DATE PMEECHAI 2006/07/18		FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED		
						APPROVED BY DATE SVIRATJAPOL 2006/07/18		MOLEX MOLEX INCORPORATED		
		ANGULAR \pm ----		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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				

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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

DIMENSION STYLE MM/IN

DRAWN BY CPANSAKHOM DATE 2006/07/18
CHECKED BY PREECHAI DATE 2006/07/18
APPROVED BY SVIRATJAPOL DATE 2006/07/18

SEE CHART

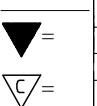
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GENERAL TOLERANCES (UNLESS SPECIFIED)

Table with columns: mm, INCH. Rows: 4 PLACES, 3 PLACES, 2 PLACES, 1 PLACE, ANGULAR

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

QUALITY SYMBOLS



DESCRIPTION REV

70/21/0002 T00TJAPOL/S:SVIRATJAPOL/APP:R:
62/11/0002 VAKR/DNR:VIRATJAPOL/CHK:CHK/DNR:VIRATJAPOL/APP:R:
82/11/0002 MOHAKSAPAN:J:VIRATJAPOL/CHK:CHK/DNR:VIRATJAPOL/APP:R:
5/00-8002 THE :ON CE