This document was generated on 03/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0082283010

Status: Active

Description: 1.00mm (.039") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded, Tinned, 10 Circuits, Reel 30.48m (100.0') Length

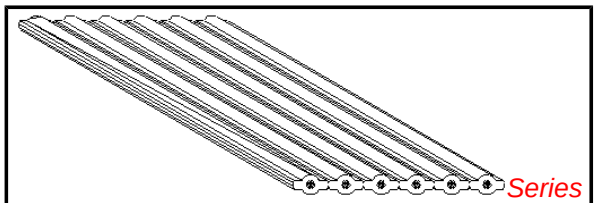


image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	24500
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	10
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	28
Wire/Cable Type	(7x36) Stranded, Tinned

Electrical

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

Material Info

Old Part Number	24500-10-100B

Reference - Drawing Numbers

Sales Drawing	SD-24500-001

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
For a multiple part number RoHS Certificate of Compliance, click here

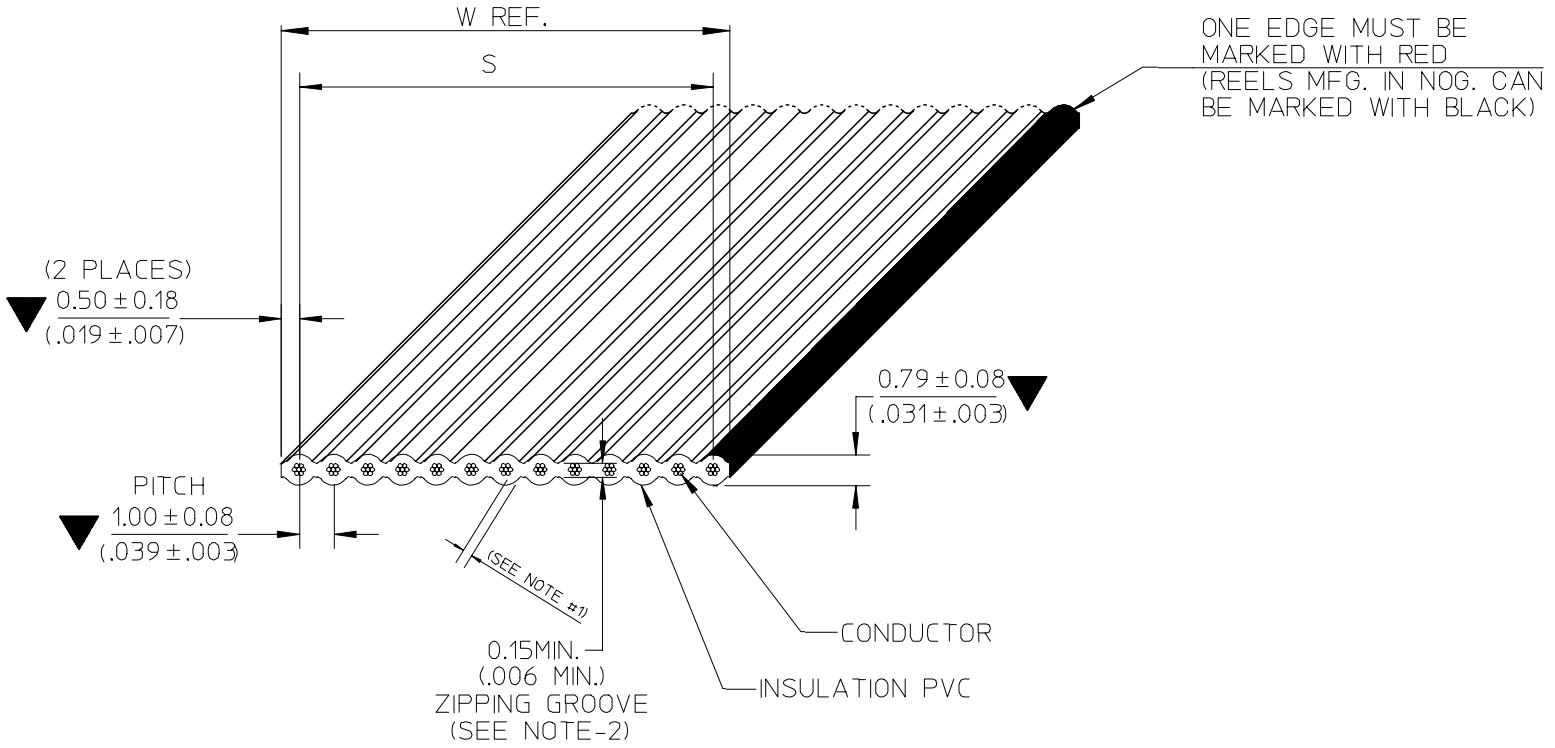
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
24500Series

Use With
70121 MX-50™ Slimline Ribbon Cable.
90584 Picoflex® PF-50 IDT Receptacle

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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 0.15mm. (.006") 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

REV. HISTORY	EC NO.	DETAIL	DATE
B	E-07-0748	B_1 : ADD NON-OPERATING TEMP.	07/11/22
A	N/A	NEW RELEASE.	06/07/10

SEE CHANGE DETAIL.
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=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	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN	NTS	INCH	

DRAWN BY / DATE	CPANSAKHOM 2006/07/10
CHECKED BY / DATE	PMEECHAI 2006/07/10
APPROVED BY / DATE	SVIRATJAPOL 2006/07/10
MATERIAL NO.	SEE CHART
TITLE	FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED
	MOLEX INCORPORATED
DOCUMENT NO.	SD-24500-001
SHEET NO.	1 OF 3
SIZE	A4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING	1.00(.039") ℄ TO ℄
WIRE GAUGE	28 AWG(7/36) 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.)	68 m OHMS/FT. MAX.
CHARACTERISTIC IMPEDANCE	TBD. OHMS NOM. (GS) TBD. OHMS NOM. (GSG)
CAPACITANCE	TBD. pF/FT. NOM. (GS) TBD. pF/FT. NOM. (GSG)
PROPAGATION DELAY	1.4 ns/FT. NOM.
INSULATION RESISTANCE	10M OHMS (10FT. SAMPLE)
DIELECTRIC WITHSTAND VOLTAGE	2000 VRMS/MINUTE

GENERAL

△B1 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
DR:WN:CPANSAKHOM 2007/11/28
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DESCRIPTION
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QUALITY SYMBOLS
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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
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	CPANSAKHOM	DATE 2006/07/10
CHECKED BY	PMEECHAI	DATE 2006/07/10
APPROVED BY	SVIRATJAPOL	DATE 2006/07/10

TITLE: FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-24500-001
SHEET NO.: 2 OF 3

SIZE A4

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CHART A				
DIMENSIONS MM. (INCHES)				
ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
24500-10-100B	82-28-3010	10	9.00±0.18 (.354±.007)	10.00 (.394)
-20-	20	20	19.00±0.23 (.748±.009)	20.00 (.787)
-24-	24	24	23.00±0.23 (.906±.009)	24.00 (.945)
-26-	26	26	25.00±0.23 (.984±.009)	26.00 (1.024)
-30-	30	30	29.00±0.28 (1.142±.011)	30.00 (1.181)
-34-	34	34	33.00±0.28 (1.299±.011)	34.00 (1.339)
-40-	40	40	39.00±0.28 (1.535±.011)	40.00 (1.575)
-44-	44	44	43.00±0.28 (1.693±.011)	44.00 (1.732)
24500-50-100B	82-28-3050	50	49.00±0.28 (1.929±.011)	50.00 (1.969)

ENGINEERING NO.

24500-XX-XXXX
A B C D

A : CABLE 1.00mm. (.039") CENTERS 28AWG STRANDED TINNED
B : CONDUCTOR SIZE (AVAILABILITY 10,20,24,26,30,34,40,44 AND 50)
C : CABLE LENGTH 100FT. (30.48M.)
D : A = INCHES
B = FEET

SEE CHANGE DETAIL.
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼ =
Ⓒ =

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
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: CPANSAKHOM DATE: 2006/07/10
CHECKED BY: PMEECHAI DATE: 2006/07/10
APPROVED BY: SVIRATJAPOL DATE: 2006/07/10
MATERIAL NO.: SEE CHART

TITLE: FCB ROUND CONDUCTOR 1.00MM(.039)CENTERS PVC. 28AWG STR TINNED

MOLEX INCORPORATED

DOCUMENT NO.: SD-24500-001
SHEET NO.: 3 OF 3
SIZE: A4

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