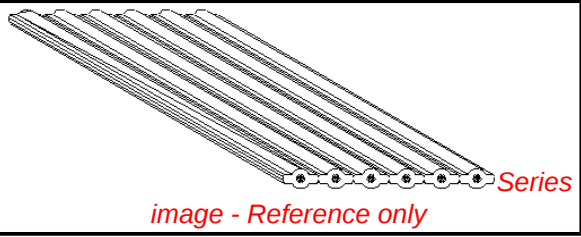


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0082265803
Status: Active
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded, Topcoat, 3 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 8996
Crimp Quality Equipment Yes
Geographic Area Asia
Product Name Ribbon

Physical

Cable Length 30.48m (100.0')
Circuits (Loaded) 3
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 26
Wire/Cable Type (7x34) Stranded, Topcoat

Electrical

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

Material Info

Old Part Number 8996-03-100B

Reference - Drawing Numbers

Sales Drawing SD-8996-001

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

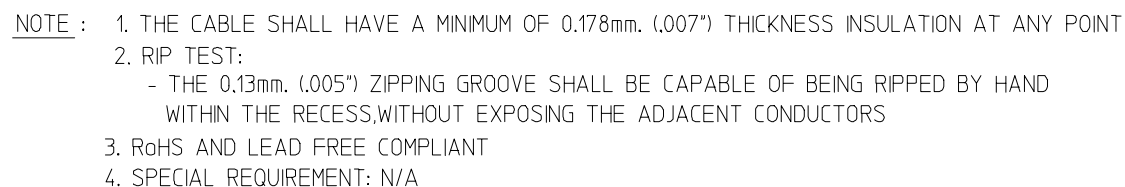


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
8996Series

Use With
70400 C-Grid SL™ IDT Connector Assembly.
70475 SL™ IDT Connector Assembly.
7720 KK® IDT Double Cantilever Contact

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



B	E-07-0748	B ₃ : ADD NON-OPERATING TEMP. B ₂ : ADD SOLDERING CONDITION B ₄ : CHANGE WEB THICKNESS	07/09/2006
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL	
EC NO: THL2008-0015	
DRWN: CPANSKHM	2007/11/28
CHKD: DNARINTARA	2007/11/29
APPR: SVIRATJAPOL	2007/12/04

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	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/07/18
CHECKED BY	DATE
PMEECHAI	2006/07/18
APPROVED BY	DATE
SVIRAT JAPOL	2006/07/18
MATERIAL NO.	
SEE CHART	
SIZE A/	THIS DRAWING CONTAINS INCORPORATED AND

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG STRANDED TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-8996-001	SHEET NO. 1 OF 3	
ALL INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

7 6 5 4 3 2 1

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING 2.54 (.100") ϵ TO ϵ
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.) 43m. 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

Δ_{B_1} NON-OPERATING TEMPERATURE -20°C TO 105°C
FAULTS AND/OR SPLICES 1/REEL MAX. 100 $\pm$ $\frac{3}{0}$ FT. (30.48 $\pm$ $\frac{0.914}{0}$ M.)/REEL
20FT. (6.096M.) MIN. LENGTH

Δ_{B_2} 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 ▽ = ▽C =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG STRANDED TOPCOATED MOLEX MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18				
			3 PLACES	± ---	± ---	APPROVED BY	DATE				
			2 PLACES	± ---	± ---	SVIRATJAPOL	2006/07/18				
			1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
			ANGULAR ± ---°			SEE CHART		SD-8996-001			2 OF 3
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

7 6 5 4 3 2 1

E

E

D

D

C

C

B

B

A

A

CHART A				
DIMENSIONS MM. (INCHES)				
ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
8996-02-100B	82-26-5802	2	2.54±0.127 (.100±.005)	5.08 (.200)
▲ -03- ▲	▲ 03	3	5.08±0.20 (.200±.008)	7.62 (.300)
-04-	04	4	7.62±0.30 (.300±.012)	10.16 (.400)
-05-	05	5	10.16±0.33 (.400±.013)	12.70 (.500)
-06-	06	6	12.70±0.33 (.500±.013)	15.24 (.600)
-07-	07	7	15.24±0.33 (.600±.013)	17.78 (.700)
-08-	08	8	17.78±0.33 (.700±.013)	20.32 (.800)
-09-	09	9	20.32±0.33 (.800±.013)	22.86 (.900)
-10-	10	10	22.86±0.33 (.900±.013)	25.40 (1.000)
-11-	11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)
-12-	12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)
-13-	13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)
-14-	14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)
-15-	15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)
-16-	16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)
-17-	17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)
-18-	18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)
▼ -19- ▼	▼ 19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)
8996-20-100B	82-26-5820	20	48.26±0.33 (1.900±.013)	50.80 (2.000)

ENGINEERING NO.

8996-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 26AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRAT JAPOL 2007/12/04	QUALITY SYMBOLS ▽ = ▽C =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 26AWG STRANDED TOPCOATED			
		4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18				
		3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/18			molex MOLEX INCORPORATED	
		2 PLACES	± ---	± ---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-8996-001	SHEET NO. 3 OF 3			
		1 PLACE	± ---	± ---	SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		ANGULAR ± ---°								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										