

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082186012](#)
Status: **Active**
Description: 3.96mm (.156") Pitch Round Conductor Flat Cable - 18 AWG (7 x 26) 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 [40174](#)
Crimp Quality Equipment Yes
Geographic Area Asia
Product Name Ribbon

Physical

Cable Length 30.48m (100.0')
Circuits (Loaded) 12
Flammability VW-1
Insulation PVC
Packaging Type Reel
Pitch - Term. Interface (in) 0.156 In
Pitch - Term. Interface (mm) 3.96 mm
Temperature Range - Operating -20°C to +105°C
Wire Size AWG 18
Wire/Cable Type (7x26) Stranded, Tinned

Electrical

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

Solder Process Data

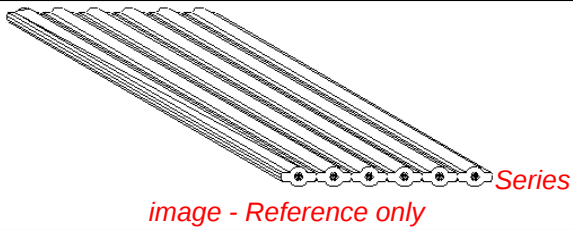
Max. Cycles at Max. Process Temperature 0

Material Info

Old Part Number 40174-12-100B

Reference - Drawing Numbers

Sales Drawing SD-40174-001



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](#)

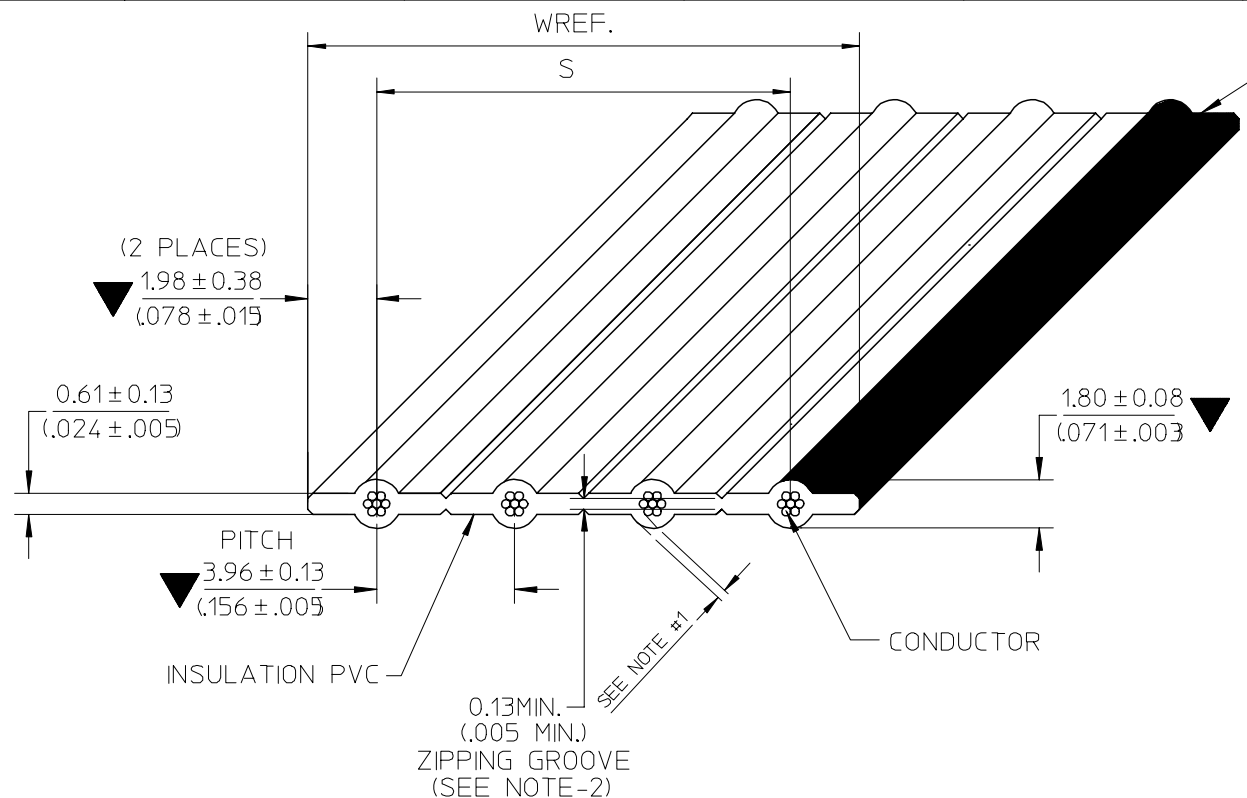
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[40174Series](#)

Use With

[7674](#) KK® IDT Trifurcon Contact. [7675](#) KK®
IDT Double Cantilever Contact



ONE EDGE MUST BE MARKED WITH RED
(REELS MFG. IN NOG. CAN BE MARKED WITH BLACK)

- 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	B-07-0748	B ₁ : ADD NON-OPERATING TEMP.	07/11/23
A	N/A	INITIAL DRAFT	06/08/09
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	DESCRIPTION
$\nabla = 3$	
$\nabla = 0$	
REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES	$\pm$ ----
3 PLACES	$\pm$ ----
2 PLACES	$\pm$ ----
1 PLACE	$\pm$ ----
ANGULAR $\pm$ ----	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/08/09
CHECKED BY	DATE
PMEECHAI	2006/08/09
APPROVED BY	DATE
SVIRATJAPOL	2006/08/09
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 3.96MM(.156)CENTERS PVC. 18AWG STRANDED TINNED		
 MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-40174-001		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

7 6 5 4 3 2 1

CHART A DIMENSIONS MM. (INCHES)				SHIPPED ON 100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
40174- 2	2	3.96±0.13 (.156±.005)	7.92 (.312)	40174-02-100B	82-18-6002
40174- 3	3	7.92±0.25 (.312±.010)	11.89 (.468)	▲ -03- ▲	▲ 03
40174- 4	4	11.89±0.38 (.468±.015)	15.85 (.624)	-04-	04
40174- 5	5	15.85±0.38 (.624±.015)	19.81 (.780)	-05-	05
40174- 6	6	19.81±0.38 (.780±.015)	23.77 (.936)	-06-	06
40174- 7	7	23.77±0.38 (.936±.015)	27.74 (1.092)	-07-	07
40174- 8	8	27.74±0.38 (1.092±.015)	31.70 (1.248)	-08-	08
40174- 9	9	31.70±0.38 (1.248±.015)	35.66 (1.404)	-09-	09
40174-10	10	35.66±0.38 (1.404±.015)	39.62 (1.560)	-10-	10
40174-11	11	39.62±0.38 (1.560±.015)	43.59 (1.716)	-11-	11
40174-12	12	43.59±0.38 (1.716±.015)	47.55 (1.872)	-12-	12
40174-13	13	47.55±0.38 (1.872±.015)	51.51 (2.028)	-13-	13
40174-14	14	51.51±0.38 (2.028±.015)	55.47 (2.184)	-14-	14
40174-15	15	55.47±0.38 (2.184±.015)	59.44 (2.340)	-15-	15
40174-16	16	59.44±0.38 (2.340±.015)	63.40 (2.496)	▼ -16- ▼	▼ 16

ENGINEERING NO.

40174-XX-XXXX

A B C D

A : CABLE 3.96mm. (.156") CENTERS 18 AWG STRANDED TINNED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 16)

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: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 2006/08/09	TITLE FCB ROUND CONDUCTOR 3.96MM(.156)CENTERS PVC. 18AWG STRANDED TINNED MOLEX MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/08/09				
			3 PLACES	± ---	± ---	APPROVED BY	DATE				
			2 PLACES	± ---	± ---	SVIRATJAPOL	2006/08/09				DOCUMENT NO. SD-40174-001
			1 PLACE	± ---	± ---	MATERIAL NO.					
			ANGULAR ± ---°			SEE CHART					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				