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**Part Number:** 0082226015
**Status:** Active
**Description:** 2.54mm (.100") Pitch Round Conductor Flat Cable - 22 AWG (7 x 30) Stranded, Topcoat, 15 Circuits, Reel 30.48m (100.0' ) Length

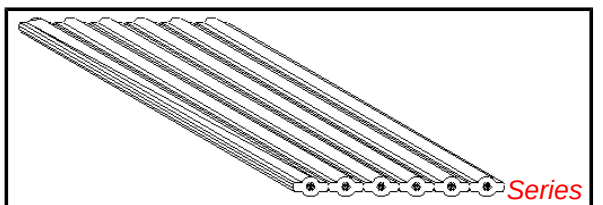


*image - Reference only*

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

## Agency Certification

| | |
|---|---|
| CSA | LR61126 |
| UL | E61522 |

## General

| | |
|---|---|
| Product Family | Cable |
| Series | 8867 |
| Crimp Quality Equipment | Yes |
| Geographic Area | Asia |
| Product Name | Ribbon |

## Physical

| | |
|---|---|
| Cable Length | 30.48m (100.0' ) |
| Circuits (Loaded) | 15 |
| 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 | 22 |
| Wire/Cable Type | (7x30) Stranded, Topcoat |

## Electrical

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

## Material Info

| | |
|---|---|
| Old Part Number | 8867-15-100B |

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-8867-001 |

**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

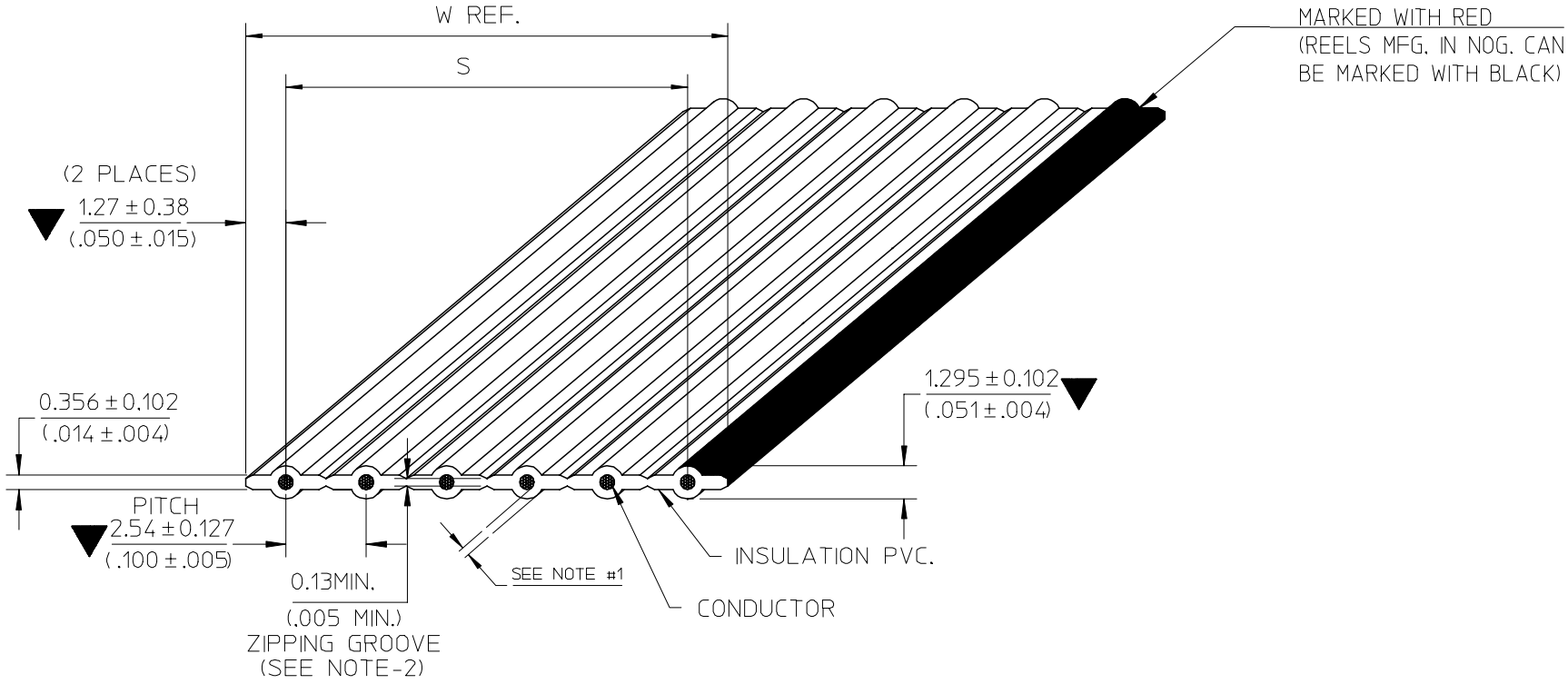
Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
8867Series

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

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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 0.13mm. (.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

| REV. HISTORY | EC NO. | DETAIL | DATE |
|---|---|---|---|
| B | E-07-0748 | $B_2$ : ADD NON-OPERATING TEMP.<br>$B_1$ : ADD SOLDERING CONDITION | 07/09/27 |
| A | N/A | NEW RELEASE | 06/07/18 |

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: MM/IN
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: CPANSAKHOM DATE: 2006/07/18
CHECKED BY: PMEECHAI DATE: 2006/07/18
APPROVED BY: SVIRATJAPOL DATE: 2006/07/18

TITLE: FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-8867-001
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 | 2.54 (.100") ℄ TO ℄ |
| WIRE GAUGE | 22 AWG(7/30) 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.) | 17 m OHMS/FT. MAX. |
| CHARACTERISTIC IMPEDANCE | 128 OHMS NOM. (GS)<br>104 OHMS NOM. (GSG) |
| CAPACITANCE | 7.2 pF/FT. NOM. (GS)<br>13.4 pF/FT. NOM. (GSG) |
| PROPAGATION DELAY | 1.4 ns/FT. NOM. |
| INSULATION RESISTANCE | 10 M OHMS (10FT. SAMPLE) |
| DIELECTRIC WITHSTAND VOLTAGE | 2000 VRMS/MINUTE |

### GENERAL

| | |
|---|---|
| △B2 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<br>20FT. (6.096M.) MIN. LENGTH |

### △B1 SOLDERING CONDITION

| | |
|---|---|
| SOLDER TEMPERATURE | 260°C. MAX. |
| SOLDERING TIME | 3 SECOND, MAX. |
| INSULATION SHRINK | 2MM. NOM |

SEE CHANGE DETAIL
EC NO: THL2008-0015
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DESCRIPTION
B
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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

| | | |
|---|---|---|
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SHEET NO.: 2 OF 3

SIZE A4

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| CHART A<br>DIMENSIONS MM. (INCHES) | | | | | SHIPPED ON<br>100 FT. REELS | |
|---|---|---|---|---|---|---|
| ENG. NO. | NO.OF COND. | DIMENSION S | | DIM. W (REF) | ENGINEERING NO. | ORDER NO. |
| 8867-02 | 2 | 2.54±0.127 | (.100±.005) | 5.08 (.200) | 8867-02-100B | 82-22-6002 |
| 8867-03 | 3 | 5.08±0.20 | (.200±.008) | 7.62 (.300) | -03- | 03 |
| 8867-04 | 4 | 7.62±0.30 | (.300±.012) | 10.16 (.400) | -04- | 04 |
| 8867-05 | 5 | 10.16±0.33 | (.400±.013) | 12.70 (.500) | -05- | 05 |
| 8867-06 | 6 | 12.70±0.33 | (.500±.013) | 15.24 (.600) | -06- | 06 |
| 8867-07 | 7 | 15.24±0.33 | (.600±.013) | 17.78 (.700) | -07- | 07 |
| 8867-08 | 8 | 17.78±0.33 | (.700±.013) | 20.32 (.800) | -08- | 08 |
| 8867-09 | 9 | 20.32±0.33 | (.800±.013) | 22.86 (.900) | -09- | 09 |
| 8867-10 | 10 | 22.86±0.33 | (.900±.013) | 25.40 (1.000) | -10- | 10 |
| 8867-11 | 11 | 25.40±0.33 | (1.000±.013) | 27.94 (1.100) | -11- | 11 |
| 8867-12 | 12 | 27.94±0.33 | (1.100±.013) | 30.48 (1.200) | -12- | 12 |
| 8867-13 | 13 | 30.48±0.33 | (1.200±.013) | 33.02 (1.300) | -13- | 13 |
| 8867-14 | 14 | 33.02±0.33 | (1.300±.013) | 35.56 (1.400) | -14- | 14 |
| 8867-15 | 15 | 35.56±0.33 | (1.400±.013) | 38.10 (1.500) | -15- | 15 |
| 8867-16 | 16 | 38.10±0.33 | (1.500±.013) | 40.64 (1.600) | -16- | 16 |
| 8867-17 | 17 | 40.64±0.33 | (1.600±.013) | 43.18 (1.700) | -17- | 17 |
| 8867-18 | 18 | 43.18±0.33 | (1.700±.013) | 45.72 (1.800) | -18- | 18 |
| 8867-19 | 19 | 45.72±0.33 | (1.800±.013) | 48.26 (1.900) | -19- | 19 |
| 8867-20 | 20 | 48.26±0.33 | (1.900±.013) | 50.80 (2.000) | -20- | 20 |

ENGINEERING NO.

8867-XX-XXXX
A B C D

A : CABLE 2.54mm. (.100") CENTERS 22 AWG 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 2007/11/28
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