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Part Number: 0082225906
Status: Active
Description: 3.96mm (.156") Pitch Round Conductor Flat Cable - 22 AWG (7 x 30) Stranded, Topcoat, 6 Circuits, Reel 30.48m (100.0') Length

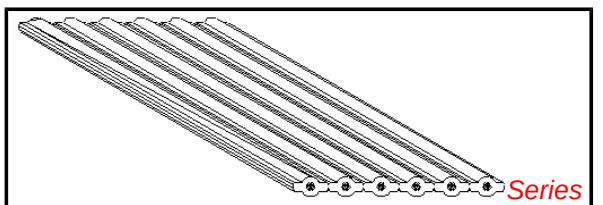


image - Reference only

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

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	8868
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	6
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	22
Wire/Cable Type	(7x30) Stranded, Topcoat

Electrical

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

Material Info

Old Part Number	8868-06-100B

Reference - Drawing Numbers

Sales Drawing	SD-8868-001

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

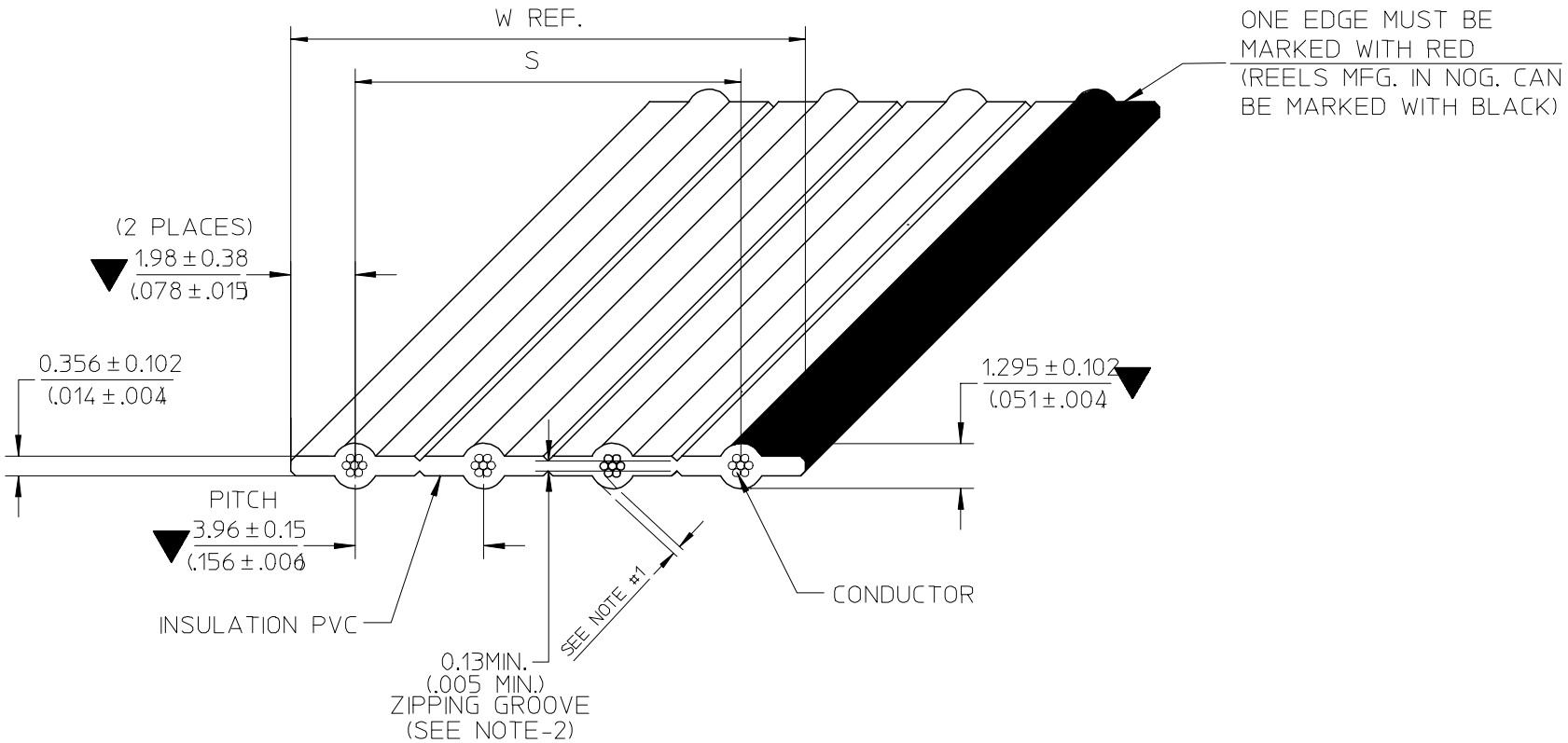
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
8868Series

Use With
7674 KK® IDT Trifurcon Contact. 7675 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. B_1: ADD SOLDERING CONDITION	07/09/27
A	N/A	INITIAL DRAFT	06/08/09

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: 2006/08/09
CHECKED BY: PMEECHAI DATE: 2006/08/09
APPROVED BY: SVIRATJAPOL DATE: 2006/08/09
MATERIAL NO.: SEE CHART

TITLE: FCB ROUND CONDUCTOR 3.96MM(.156)CENTERS PVC. 22AWG STRANDED TOPCOATED

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DOCUMENT NO.: SD-8868-001
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	3.96 (.156") ℄ 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	140 OHMS NOM. (GS) 123 OHMS NOM. (GSG)
CAPACITANCE	4.7 pF/FT. NOM. (GS) 8.5 pF/FT. NOM. (GSG)
PROPAGATION DELAY	1.4 ns/FT. NOM.
INSULATION RESISTANCE	10^4M OHMS (10FT. SAMPLE)
DIELECTRIC WITHSTAND VOLTAGE	2000 VRMS/MINUTE

GENERAL

B_2 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

B_1 SOLDERING CONDITION

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

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DESCRIPTION
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QUALITY SYMBOLS
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C =

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ANGULAR ±---°		

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DIMENSION STYLE: MM/IN
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DESIGN UNITS: INCH
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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-8868-001
SHEET NO.: 2 OF 3
SIZE: A4

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CHART A DIMENSIONS MM. (INCHES)					SHIPPED ON 100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S		DIM. W (REF)	ENGINEERING NO.	ORDER NO.
8868- 2	2	3.96±0.15	(.156±.006)	7.92 (.312)	8868-02-100B	82-22-5902
8868- 3	3	7.92±0.25	(.312±.010)	11.89 (.468)	-03-	03
8868- 4	4	11.89±0.38	(.468±.015)	15.85 (.624)	-04-	04
8868- 5	5	15.85±0.38	(.624±.015)	19.81 (.780)	-05-	05
8868- 6	6	19.81±0.38	(.780±.015)	23.77 (.936)	-06-	06
8868- 7	7	23.77±0.38	(.936±.015)	27.74 (1.092)	-07-	07
8868- 8	8	27.74±0.38	(1.092±.015)	31.70 (1.248)	-08-	08
8868- 9	9	31.70±0.38	(1.248±.015)	35.66 (1.404)	-09-	09
8868-10	10	35.66±0.38	(1.404±.015)	39.62 (1.560)	-10-	10
8868-11	11	39.62±0.38	(1.560±.015)	43.59 (1.716)	-11-	11
8868-12	12	43.59±0.38	(1.716±.015)	47.55 (1.872)	-12-	12
8868-13	13	47.55±0.38	(1.872±.015)	51.51 (2.028)	-13-	13
8868-14	14	51.51±0.38	(2.028±.015)	55.47 (2.184)	-14-	14
8868-15	15	55.47±0.38	(2.184±.015)	59.44 (2.340)	-15-	15
8868-16	16	59.44±0.38	(2.340±.015)	63.40 (2.496)	-16-	16

ENGINEERING NO.

8868-XX-XXXX
A B C D

A : CABLE 3.96mm. (.156") CENTERS 22 AWG STRANDED TOPCOATED
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
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