



**Part Number :** [982670331](#)

**Product Description :** 1.00mm Pitch Premo-Flex FFC Jumper, Same Side Contacts (Type A), 305.00mm Cable Length, Tin (Sn) Plating, 16 Circuits

**Series Number :** 98267

**Status :** Active

**Product Category :** Flexible Printed Circuit (FPC) Flex Jumpers



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## Documents & Resources

### Drawings

[Drawing 982670331\\_sd.pdf](#)

### Specifications

[Product Specification PS-98267-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

China RoHS	Not Reviewed
EU ELV	Not Reviewed
Low-Halogen Status	Not Reviewed
REACH SVHC	Not Reviewed
EU RoHS	Not Reviewed

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

### [Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### [EU RoHS Certificate of Compliance](#)

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## Part Details

### General

Status	Active
Category	Flexible Printed Circuit (FPC) Flex Jumpers
Series	98267
Description	1.00mm Pitch Premo-Flex FFC Jumper, Same Side Contacts (Type A), 305.00mm Cable Length, Tin (Sn) Plating, 16 Circuits
Comments	Contacts on the same side, Type A
Product Family	FFC Cable Jumpers, Premo-Flex Flat-Flexible Cable Jumpers
Product Name	Premo-Flex FFC Jumper
UPC	756054773321

### Electrical

Current - Maximum per Contact	1.2A
Voltage - Maximum	60V AC

### Physical

Cable Length	305.00mm
Circuits (Loaded)	16
Contact Layout Type	A (same side)
Material - Plating Mating	Tin
Net Weight	3.567/g
Packaging Type	Bag
Pitch - Mating Interface	1.00mm
Temperature Range - Operating	-40° to +105°C
Wire/Cable Type	Flat Flex Cable
Wire Size (AWG)	N/A

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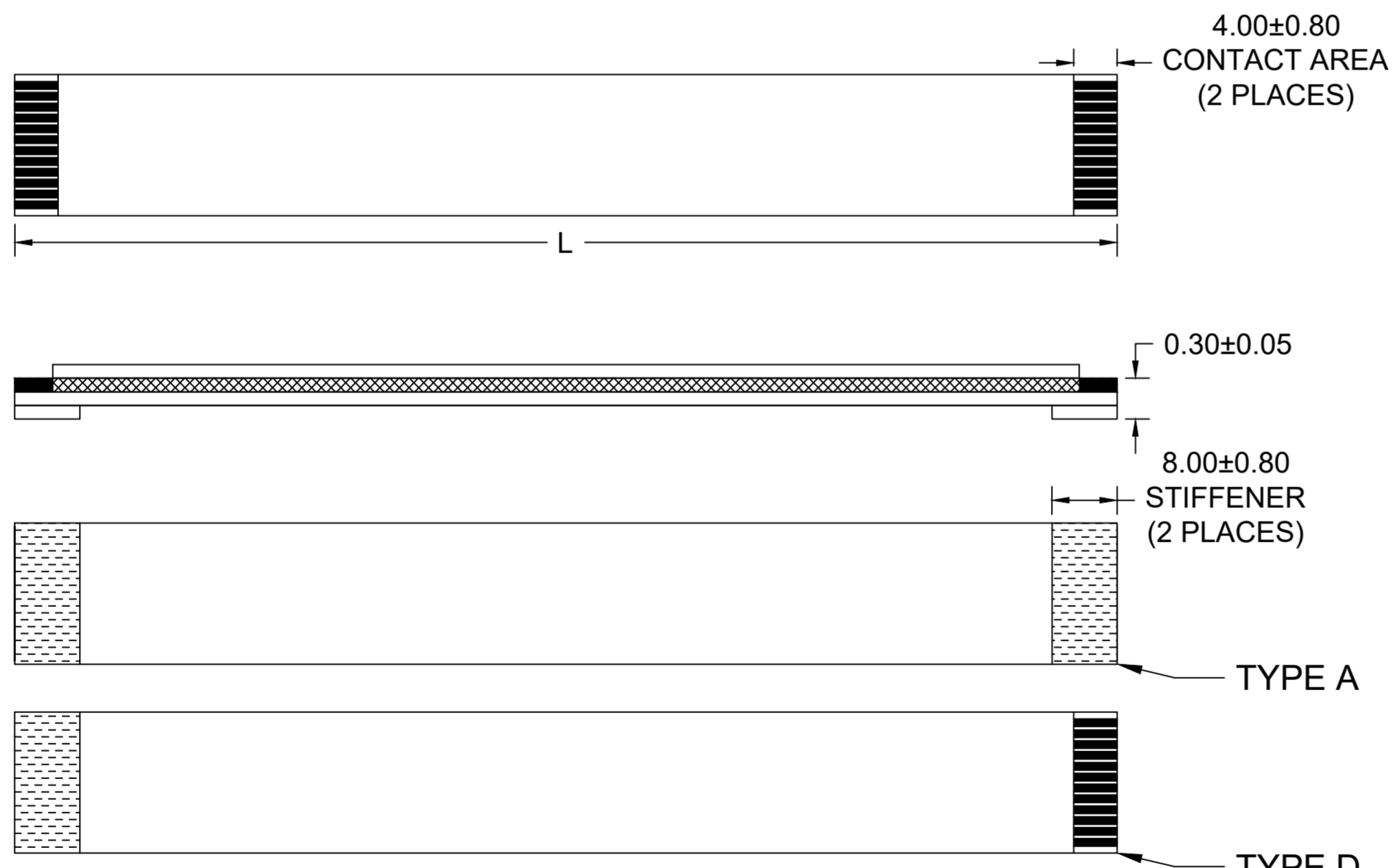
## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Right-Angle, Top Contact, 2.70mm Height, 16 Circuits, Tin-Silver-Bismuth Plating	<u>0522071633</u>
Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Right-Angle, Bottom Contact, 3.00mm Height, 16 Circuits, Tin-Bismuth Plating	<u>0522711679</u>
Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Vertical, 5.75mm Height, 16 Circuits, Tin-Silver-Bismuth Plating	<u>0526101633</u>
Easy-On FFC/FPC Connector, 1.00mm Pitch, Slider Series, Vertical, 5.75mm Height, 16 Circuits, Tin-Silver-Bismuth Plating, with Pick-and-Place Tape	<u>0526101634</u>

1.00mm CENTER FLAT FLEX CABLE (FFC) (105°C, Sn PLATED)

"L" DIM. →	30 ± 2 MM		51 ± 2 MM		76 ± 3 MM		102 ± 3 MM		127 ± 4 MM		152 ± 4 MM		178 ± 4 MM		203 ± 4 MM		229 ± 5 MM		254 ± 5 MM		305 ± 5 MM			
REF DIM →	(1.18 INCH)		(2 INCHES)		(3 INCHES)		(4 INCHES)		(5 INCHES)		(6 INCHES)		(7 INCHES)		(8 INCHES)		(9 INCHES)		(10 INCHES)		(12 INCHES)			
CABLE TYPE →	A		D		A		D		A		D		A		D		A		D		A		D	
CIRCUITS ↓	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D
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12	982670267	982670268	982670269	982670270	982670271	982670272	982670273	982670274	982670275	982670276	982670277	982670278	982670279	982670280	982670281	982670282	982670283	982670284	982670285	982670286	982670287	982670288		
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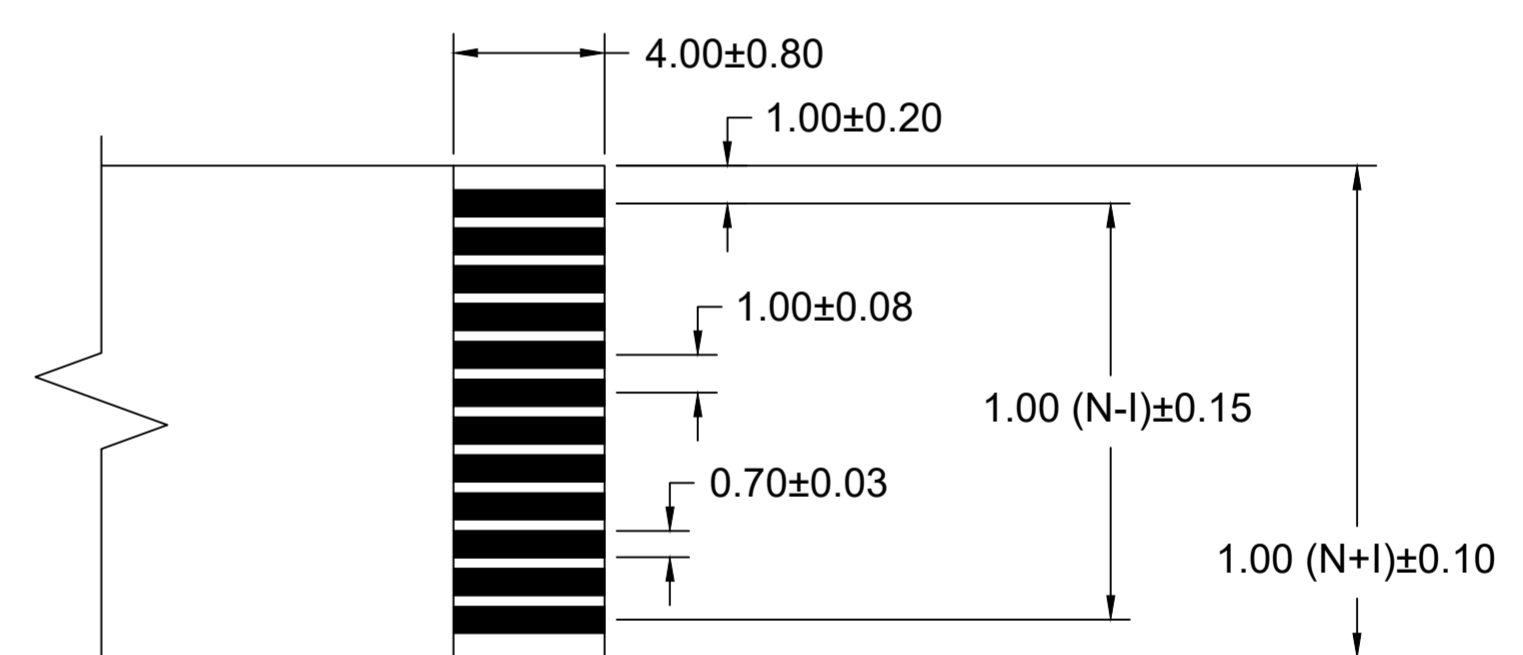
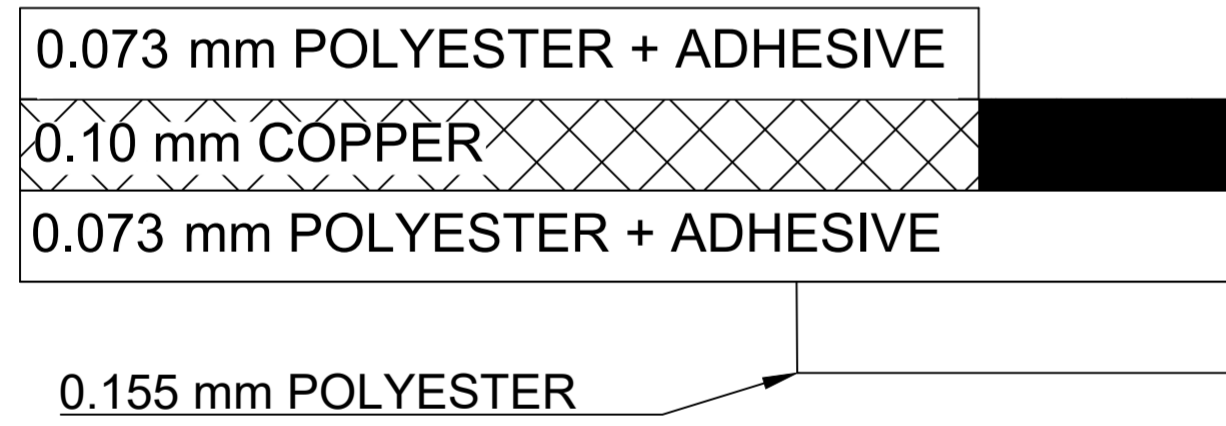
- NOTES:**
- NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.
  - FOR ODD CIRCUIT COUNT, CROSS-SECTION AND END-TAIL DETAIL REFER TO SHEET # 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC: DRAWING CORRECTION		
MM	2:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)				
	mm	INCH	EC NO: 728054	1.00MM CENTER FLAT FLEX CABLE (FFC) (105°C, SN PLATED) SALES DRAWING
4 PLACES	±----	±----	DRWN: DIEGOG7 2022/11/10	
3 PLACES	±----	±----	CHK'D: JSMITH11 2022/11/14	
2 PLACES	±----	±----	APPR: JSMITH11 2022/11/14	
1 PLACE	±----	±----	INITIAL REVISION:	
0 PLACES	±----	±----	DRWN: DIEGOG7 2022/09/22	
ANGULAR TOL ± 0.5 °			APPR: JSMITH11 2022/11/03	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
		C-SIZE	98267	982670001
				DOC TYPE
				PSD
				DOC PART
				000
				REVISION
				B
				MATERIAL NUMBER
				SEE CHART
				CUSTOMER
				GENERAL MARKET
				SHEET NUMBER
				1 OF 2

1.00mm CENTER FLAT FLEX CABLE (FFC) (105°C, Sn PLATED)

"L" DIM. →	30 ± 2 MM		51 ± 2 MM		76 ± 3 MM		102 ± 3 MM		127 ± 4 MM		152 ± 4 MM		178 ± 4 MM		203 ± 4 MM		229 ± 5 MM		254 ± 5 MM		305 ± 5 MM	
REF DIM →	(1.18 INCH)		(2 INCHES)		(3 INCHES)		(4 INCHES)		(5 INCHES)		(6 INCHES)		(7 INCHES)		(8 INCHES)		(9 INCHES)		(10 INCHES)		(12 INCHES)	
CABLE TYPE →																						
CIRCUITS ↓	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D	A	D
5	982670723	982670722	982670725	982670724	982670727	982670726	982670729	982670728	982670731	982670730	982670733	982670732	982670735	982670734	982670737	982670736	982670739	982670738	982670741	982670740	982670743	982670742
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39	982671097	982671096	982671099	982671098	982671101	982671100	982671103	982671102	982671105	982671104	982671107	982671106	982671109	982671108	982671111	982671110	982671113	982671112	982671115	982671114	982671117	982671116



**NOTES:**  
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: DRAWING CORRECTION					
MM		NA		<p><b>molex</b></p> <p>1.00MM CENTER FLAT FLEX CABLE (FFC) (105°C, SN PLATED) SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>982670001</b>   DOC TYPE: PSD   DOC PART: 000   REVISION: B</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
	mm		INCH						
4 PLACES	±----		±----						
3 PLACES	±----		±----						
2 PLACES	±----		±----						
1 PLACE	±----		±----						
0 PLACES	±----		±----						
ANGULAR TOL ± 0.5 °				EC NO: 728054		DRWN: DIEGOG7		2022/11/10	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		CHK'D: JSMITH11		2022/11/14	
				DRAWING		APPR: JSMITH11		2022/11/14	
				SERIES		INITIAL REVISION:			
				C-SIZE		DRWN: DIEGOG7		2022/09/22	
				98267		APPR: JSMITH11		2022/11/03	
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
SEE CHART		GENERAL MARKET		2 OF 2					

**PRODUCT FAMILY SPECIFICATION FOR  
1.00 mm PITCH FLAT FLEX CABLE (FFC)  
(105°C, Sn PLATED)*****Revision List***

<b>REVISION</b>	<b>MODIFICATION</b>	<b>DATE</b>
A	First release	2004/07/05
B	Updated specification	2011/09/29
C	Updated specification	2014/02/17
D	Format update	2022/08/27
E	Number of conductors updated	2022/12/08

<b>REVISION:</b> <b>E</b>	<b>ECR/ECN INFORMATION:</b> <u>EC No:</u> 731362 <u>DATE:</u> 2022/12/08	<b>TITLE:</b> PRODUCT FAMILY SPECIFICATION FOR 1.00 mm PITCH FLAT FLEX CABLE (FFC) (105°C, Sn PLATED)	<b>SHEET No.</b> 1 of 5
<b>DOCUMENT NUMBER:</b> <b>PS-98267-001</b>	<b>CREATED / REVISED BY:</b> <b>D. GOMEZ</b>	<b>CHECKED BY:</b> <b>M. IMIG</b>	<b>APPROVED BY:</b> <b>J. SMITH</b>

## 1 SCOPE

This specification covers the 1.00 mm center FFC (Flat Flexible Cable) jumper cable, 105°C, using tin plated copper conductor.

## 2 PRODUCT DESCRIPTION

### 2.1 Product name and series number

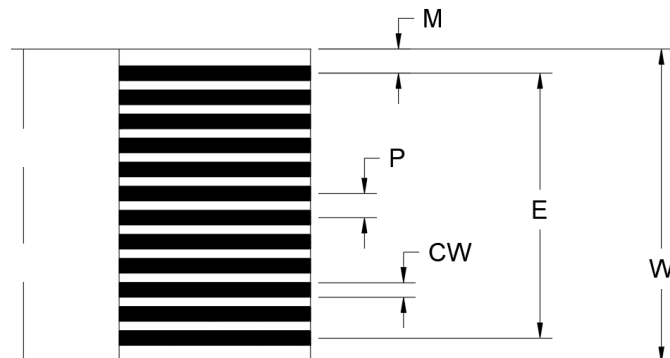
Product name: 1.00 mm PITCH FFC JUMPER CABLE (105°C, Sn PLATED)

Product material no: 98267-XXXX

### 2.2 Dimensions, materials, and markings

Product dimensions (in mm) according to SD-98267-001.

Number of conductors	N	Refer to sales drawing
Pitch	P	1.00 ± 0.08
Span	E	1.00 (N-1) ± 0.15
Total width	W	1.00 (N+1) ± 0.10
Conductor width	CW	0.7 ± 0.03
Margin width	M	1.0 ± 0.20
Strip length	S	4.0 ± 0.80
End thickness of the Connection area	Tc	0.30 ± 0.05
End thickness of the insulated area	Ti	0.22 ± 0.05
Insulated length	L	30 to 60 ± 2.00 61 to 100 ± 3.00 101 to 200 ± 4.00 201 to 999 ± 5.00
Reinforcement length	F	8.00 ± 2.00
End squareness	s-s'	0.40 max.

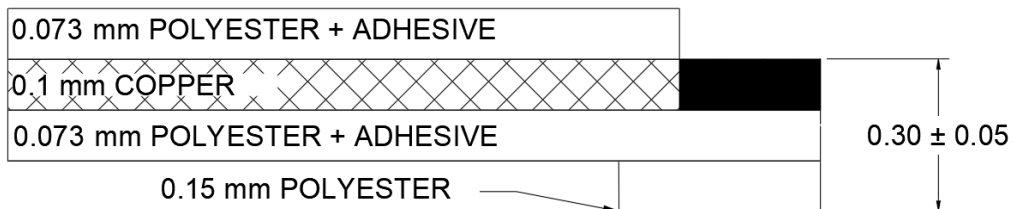


REVISION: <b>E</b>	ECR/ECN INFORMATION: EC No: 731362 DATE: 2022/12/08	TITLE: <b>PRODUCT FAMILY SPECIFICATION FOR 1.00 mm PITCH FLAT FLEX CABLE (FFC) (105°C, Sn PLATED)</b>	SHEET No. <b>2 of 5</b>
DOCUMENT NUMBER: <b>PS-98267-001</b>	CREATED / REVISED BY: <b>D. GOMEZ</b>	CHECKED BY: <b>M. IMIG</b>	APPROVED BY: <b>J. SMITH</b>



### 2.3 Composition

- FFC Conductor:      Material:      Copper  
                                  Thickness:    0,10mm  
                                  Plating:      0.4µm Sn min.
  
- FFC tape:            Material:      Polyester + Flame retardant adhesive  
                                  Thickness:    0,073mm nominal  
                                  Color:        White
  
- Reinforcement tape: Material:      Polyester + Adhesive  
                                  Thickness:    0,15mm nominal



### 2.4 Current and applicable conductors

Conductor Width	Conductor Thickness	Cross section	Current
0.7 mm	0.1 mm	0.07mm <sup>2</sup>	1.25 A

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## 3 ELECTRICAL AND PHYSICAL SPECIFICATIONS

### 3.1 Electrical requirements

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Conductor resistance	ASTM B 193	300 ohms/km MAXIMUM
2	Insulation resistance cond. to cond.	400 V DC	10 Mohms.m MINIMUM
3	Dielectric test	400 V AC for 1 minute	No disruptive discharge
4	Continuity test	3.0 V DC at 0.1mA	passed
5	Voltage rating		60 V AC MAXIMUM
6	Current rating	1.25 A (all conductors under load) at 23°C	Maximum 40°C heat rise
7	Impedance cond/cond balanced method	FFC at 1 MHz	120 Ω TYP
8	Capacitance cond/cond balanced method	FFC at 1 KHz	50 pF/m

### 3.2 Physical requirements

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
9	Temperature rating		-40°C to +105°C
10	Heat resistance	168 hours at 136°C	Insulation resistance Dielectric test
11	Thermal shock	30 minutes at -55°C 5 minutes at +25°C 30 minutes at +85°C 5 minutes at +25°C	Insulation resistance after 25 cycles
12	Cold coiling	96 hours at -40°C / The sample will be wound on a 3mm dia. Mandrel	Insulation resistance Dielectric test Visual inspection
13	Wear by abrasion	Test following EN3475-503 Weight: 500g Speed: 60 cycles/min Abrasion tool: 0.13mm dia.	10,000 cycles MINIMUM
14	Folding	The specimen shall be folded manually at 180°	Continuity after 20 times
15	Flex Lifecycles	Speed: 100 cycles/min R: 10 mm Temp: 23°C 	100,000 cycles MIN
16	Moisture resistance	96 hours at 60°C, 95% RH	Insulation resistance Dielectric test
17	Flame resistance	UL 758 VW-1	Passed

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18	<b>Solderability</b>	Immersion of the area which is intended for soldering into a tin bath at 250 ± 10°C for 30 seconds	No delamination Solder reflow below 1 mm
19	<b>Insulation elongation</b>	JIS C 2318	60 % MINIMUM
20	<b>Tensile strength</b>	JIS C 2318	32 N/mm <sup>2</sup> MINIMUM

### 4 UL APPROVAL

These products are UL compliant under:

UL style 20706

Temperature rating: 105°C

Voltage rating: 60 V AC

### 5 ROHS COMPLIANCE

This Flat Flexible Cable product family is compliant to RoHS Directive (EU) 2015/863.

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