

2896, 20624, 20861, 20696

Rating: UL 80°C/105°C, 30V / 60V Standard: Applicable standard UL62, UL Subject 758.

Merits of FFC

- New ultra flex type for CD ROM drive & DVD drive
- Simplify wiring process
- Labor saving
- Space saving
- Thin and flexible

Application

Super flex type: Dvd Driver, CD ROM Driver, PDP, ETC.

General type: Audio, Video, Scanner, Printer, Cordless phone, Fax M/C, Note book pc., Car audio, Home equipment, etc.

Shield type: EMI application

Black color type available

Custom service

- Customer design:
- No. of conductor & conductor dimension
 - Cable length
 - Cable pitch
 - Taping(double side adhesive tape)
 - Folding/half stripping

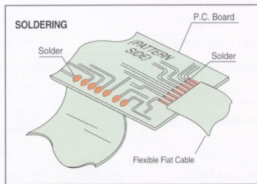
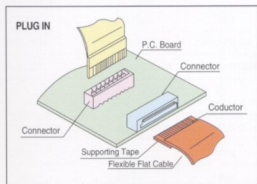
APPLICABLE UL NO.

UL NO.	VOLTAGE RATING	OPERATING TEMPERATURE	FILE NO.
UL 2896	30V	80°C	E 129545
UL 20696	30V	80°C	E 129545
UL 20624	60V	80°C	E 129545
UL 20861	60V	105°C	E 129545

SELECTION GUIDE FOR CONDUCTORS

PITCH		0.5	0.8	1.0	1.25	1.27	2.0	2.54
CONDUCTORS FOR TYPE	Thickness	0.1 0.05 0.035		0.1 0.05 0.035		0.1 0.05		0.1
	Width	0.32	0.5	0.65	0.8	0.8	0.8	1.27

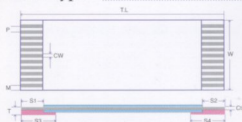
CONNECTION



Characteristics of connector fit

No.	Item	Characteristics
1	Contact resistance(below 100mA)	Initial No more than 30mΩ
		After test No more than 50mΩ
2	Insulation resistance between conductors (DC 500V)	Initial More than 100MΩ
		After test More than 50MΩ
3	Dielectric strength between conductors(DC 500V/1Min)	Withstand the voltage
4	Stability(after 20) times insert and pull out)	Must pass item No. 1 and No. 2
5	Salt water spray(MIL-STD-202E, 101D left unattended for 48 hours)	-
6	Temperature cycling(MIL-STD-202E, 102A 5 cycles)	-
7	Moisture resistance(MIL-STD-202E, 106D)	-

Cable Type



P	PN	T.L	TYPE	Ct	Cw	S1,S2	S3,S4	W	T
0.5		100mm	A,B,C,D	0.035	0.32	2			
-	4-99		E,F,G,H	-	-	-	3mm	5mm	0.25mm
2.54				0.1	1.27	7			

TYPE	A	B	C	D	E	F	G	H
SHAPE								

Ordering information

P	×	C	×	T.L	×	TYPE	×	(Ct	×	Cw)	×	S ₁	×	S ₂	×	S ₃	×	S ₄
Pitch		No. of Conductor		Total Length		Cable Type		Conductor Size (Thickness × Width)						Protector Tape Length				
<p>EXAMPLE: 1.25 × 16 × 100 × C × (0.1 × 0.8) × 5 × 5 × 10 × 10</p> <p>1.25Pitch 16Pins 100mm Type 0.1mm × 0.8mm Length of Conductor opening</p>																		

Character

Item	Condition	UL 2896	UL 20696	UL 20861	UL 20624
Voltage Rating		30V	30V	60V	60V
Temperature Rating		80°C	60°C	105°C	80°C
Dielectric Voltage withstand		AC 500V/Min	AC 500V/Min	AC 500V/Min	AC 500V/Min
Insulation Resistance	DC 500V	More than 100MΩ/m	More than 100MΩ	More than 100MΩ/M	100MΩ/M
Flammability		UL Sub. 758, VW-1, FT-1			
Flexibility	10R, 70 × 100m	General-more than Flex-more than	Min. 10,000 Times Min. 100,000 Times	Min. 10,000 Times Min. 100,000 Times	Min. 10,000 Times Min. 100,000 Times
Aging	85°C	96hrs	96hrs	96hrs	96hrs
Insulating Material	JISK-6732	Over 60%	Over	Over	Over

SPECIFICATION

PRODUCT		EUNSUNG CARD CABLE			
UL LISTING		UL 2896	UL 20696	UL 20624	UL 20861
RATING	VOLT	30V (MAX)	30V (MAX)	60V (MAX)	60V (MAX)
	TEMP	80°C	80°C	80°C	105°C
	CURRENT	1A (MAX)/AC 500V/Min			
CONDUCTOR		TIN PLATING : 2-5μ (Min)			
INSULATION	PET / PVC	0.110mm			
	PET / PET	0.060mm		PET / PET	0.037mm
	PET / PET	0.040mm		PET / PET	0.035mm
	COLOR	BLACK		COLOR	BLACK
PROTECTOR		1)		2)	3)
	PET	115μ		185μ	250μ
	ADH	40μ		40μ	32μ
MARKING	EUNSUNG E129545 AWM 2896 80°C VW-1				
	EUNSUNG E129545 AWM 20696 80°C VW-1				
	EUNSUNG E129545 AWM 20624 80°C VW-1				
	EUNSUNG E129545 AWM 20861 105°C VW-1				

	ITEM	CONDITION	DISTINCTION	
ELECTRICALLY	DIELECTRIC VOLT WITHSTAND	AC 500V / Minute	110Ω / Km-Min.	
	CONDUCTOR RESISTANCE	UL Sub. 758	266Ω / Km-Max.	
	INSULATION RESISTANCE	DC 500V	100MΩ / Minute-Min.	
	CONDUCTOR		NO CUTTING	
PHYSICALLY	AGING	85°C 96hrs	INSULATION TEST & DIELECTRIC VW-1 PASSED	
	NATURE NEGLIGENCE	30 DAYS	INSULATION TEST & DIELECTRIC VW-1 PASSED	
	HEAT CYCLE	25°C~40°C~(-40°C)C~85°C~25°C (1hrs)(0.25hrs)(4hr)(2hrs)(4hrs)	INSULATION TEST & DIELECTRIC VW-1 PASSED	
	DAMPPROOF	40°C, 95%, 24hrs	INSULATION TEST & DIELECTRIC VW-1 PASSED	
	180 FOLDING		20 TIMES MINIMUM	
	USING TEMP.		-30°C~80°C	
	FLEXIBILITY	GENERAL	10R 70mm x 100mm	10,000TIMES-MINIMUM
		FLEX	10R 70mm x 100mm	10,000,000TIMES-MINIMUM
	FLEXIBILITY		UL Sub. 758	
	ABRADE		0.5ø x 600g 60CYCLE/MINUTE	10,000 TIMES-MINIMUM
INSERT		STRAIGHT	20TIMES-MAXIMUM	
PACKING		STANDARD BOX	100PCS	