

# PRODUCT

# QUALITY MANAGEMENT









## Auto Inspection System

### Dimension I Type

- Applicable UL Number for FFC

UL NO.	Voltage Rating	Operating Temperature	File NO.
UL 2896	30 V	80 °C	E 208946
UL 20624	60 V	80 °C	E 208946
UL 20861	60 V	105 °C	E 208946
UL 2643	300 V	105 °C	E 208946
UL 20941	90 V	105 °C	E 208946

- FFC Cable Type

Type	Pattern Structure	Type	Pattern Structure
P4		P8	
P5		P9	
P6		P13	
P7		F	

### Selection Guide for Conductors

PITCH	0.3	0.5	0.8	1.0
Conductors Thickness x Width	0.3	0.05 x 0.3	0.05 x 0.5	0.1 x 0.65
	0.05 x 0.2	0.035 x 0.3	0.1 x 0.5	0.05 x 0.65
				0.035 x 0.65
	1.25	1.27	2.0	2.54
	0.1 x 0.8	0.1 x 0.8	0.1 x 0.65	0.1 x 0.8
	0.05 x 0.8	0.05 x 0.8	0.1 x 0.8	0.1 x 1.27

### Electrical Characteristics

Item	Condition	Properties
Conductor Resistance	JIS C-3102 (@80°)	See below Conductor Resistance Table
Insulation Resistance	DC 500V	More than 100MΩ ·m
Dielectric Strength	AC 500V 1 min.	No Breakdown

### Physical and Chemical Properties

(by UL2896)

Item	Condition	Properties
Operating Temp	—	-30°C ~ 80°C
Heat Resistance	85°C ~ 95 hrs	Pass
Heat Cycle Test	-40°C + 25°C + 85°C + 25°C (12 hrs x 2 cycle)	Pass
Moisture Resistance	45°C, 95% RH x 96 hrs	Pass
Flame Resistance	UL Sub. 758	VW-1 Pass
Flexing Test	180° Folding Test	More than 20 times

### Environment

- ROHS I | ROHS II | REACH Compliance
- Low Smoke Halogen Free (LSHF) | Halogen free

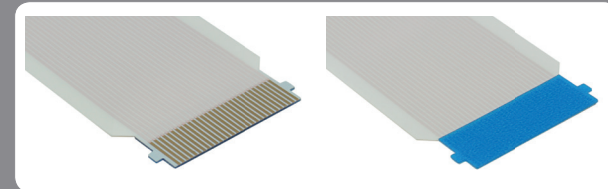
### Post Process

- EMI Shield
  - AL-PET
  - Polyester Fabric
  - CU+NI Shield
  - Ground+Shield
  - More option available

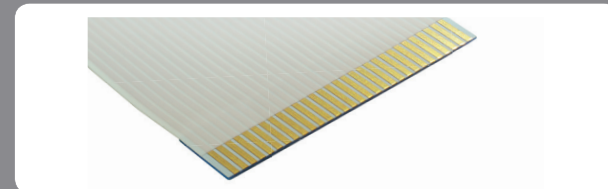
- folded / adhesive tape | Faltung / Klebefestigung



- side catcher



- gold plated / printed | Vergoldung / Bedruckung



- heat resistant | Hochtemperatur

