Connecting the future with

Kora-Cable

KORA-CABLE

koratech CO., LTD.

CEO's Message

First of all, I would like to convey my sincere appreciation to you all for supporting Koratech Co., Ltd.

Since our establishment in 1999, we have made our best efforts to achieve advanced electronic industry in the world by producing and supplying Flexible Flat Cable to home and abroad with our best quality management system.

"Small but Great"
We are small but have always tried to improve international electronic devices with great dream of realize convenient and happy lives of the whole mankind.

"Quality First"
We have produced and supplied the best quality FFC to home and abroad with our dedication and professionalism. Our commitment to world best quality is what makes our customers absolutely certain of a positive relationship with us.

I would like to ask for your continued interest in and support for koratech Co., Ltd. as we advance further into the future.

Thank you

Company History

1990's	1999.10	Established
2000's	2000.04	Membership of foreign trade (Korea international trade association) Certificate of trade business (NO.11588360)
	2000.06	UL File No. E208946 Style No.2896, 20969
	2003.05	UL File No. E208946 Style No.20861
	2005.12	UL File No. E208946 Style No.2643
	2005.08	RoHS Compliant for all product [Lead Free]
	2008.06	Low smoke halogen free/halogen free for all product
	2009.07	Appinted the KOTRA seal of excellence assurance
2010's	2012.11	ISO 9001:2008 Certification No.Q482112 ISO 14001:2004 Certification No.E270012
	2015.04	Appointed as a 'Gyeonggi Internet Trade Frontier Business' by Governor of Gyeonggi-do

ISO9001   ISO14001   UL E208946   CNN/CSA C22.2   kotra Seal of Excellence   Kotra seal of excellence

Product

Flexible Flat Cable

Features of FFC
- Simplify Wiring Process
- Space Saving, Thin and flexible
- Labor Saving
- Low Profile
- High Density

Custom Design
- No. of Conductor & Conductor Dimension
- Cable Length, Cable Pitch
- Taping (Double Side Adhesive Tape)
- Alu Foil Shielding, Flexible EMI Shield
- Black Color FFC
- Gold plated contacts

Connector & FPCB available

Dimension / Type

▶ Applicable UL Number for FFC

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

▶ FFC Cable Type

Type	Pattern Structure	Type	Pattern Structure
P1		P8	
P2		P9	
P3		P12	
P4		P12A	
P5		P13	
P6		F	
P7			

Selection Guide for Conductors

Pitch	0.3	0.5	0.8	1.0	1.25	1.27	2.0	2.54
Conductors Thichness × Width	0.3	0.05×0.3	0.05×0.5	0.1×0.65	0.1×0.8	0.1×0.8	0.1×0.65	0.1×0.8
	0.05×0.2	0.035×0.3	0.1×0.5	0.05×0.65	0.05×0.8	0.05×0.8	0.1×0.8	0.1×1,27
				0.035×0.65				

FFC Ordering Information

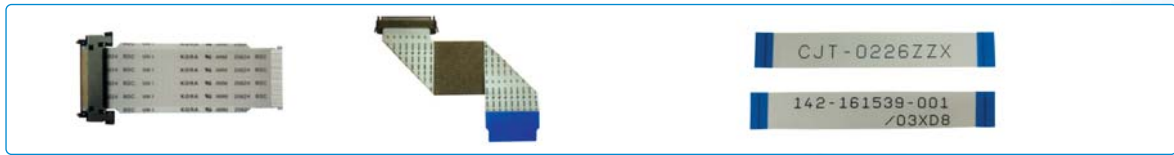| P	×	C	×	TL	×	(S1 / S2 , S3 / S4)	×	(Ct×Cw)	×	TYPE
Pitch		No of Conductor		Total Length		Strip Length / Stiffener Length		Conductor Size Thickness×Width		Cable Type

EXAMPLE :

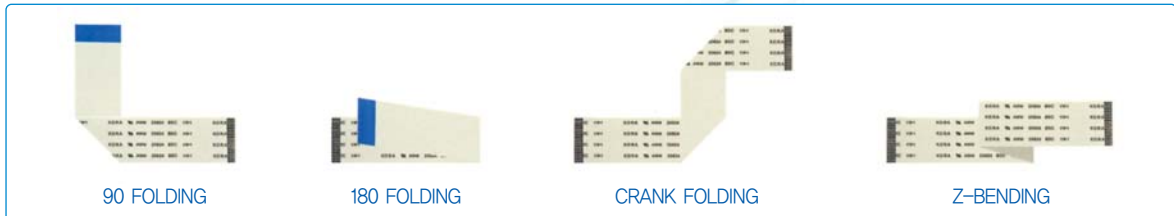1.25 × 14 × 160 × (4/4, 8/8) × (0.1×0.8) × P7   (Units in mm)

Post Process

▶ Side catcher / LVDS cable   ▶ Auto Printing System

CJT-0226ZZX
142-161539-001
/03XD8

▶ Folding / Bending

| 90 FOLDING | 180 FOLDING | CRANK FOLDING | Z–BENDING |

▶ EMI Shield

| AL PET | Polyester fabric (Cu+Ni) | Ground+Shield |

Quality Management

Eletrical Characteristics

	Item	Condition	Properties
Electrical Properties	Conductor Resistance	JIS C–3102 (@80℃)	See below, Coductor Resistance Table
	Insulation Resistance	DC 500V	More than 100MΩ · m
	Dielectonic Strength	AC 500V 1 min	No Breakdown

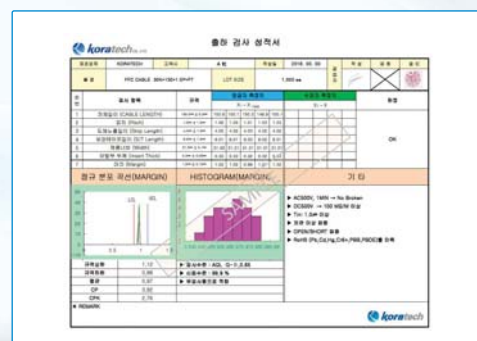## Physical and chemical Properties

(by UL2896)

	Item	Condition	Properties
Physical and Chemical Properties	Operating Temp	–	−30℃ ~ 80℃
	Heat Resistance	85℃ ~ 95Hrs	Pass
	Heat Cycle Test	−40℃+25℃+85℃+25℃ (12 Hrs×2cycle)	Pass
	Moisture Resistance	45℃, 95% RH × 96 Hrs	Pass
	Flame Resistance	UL Sub. 758	VW–1 Pass
	Flexing Test	180˚ Folding Test	More than 20 times

Mechanical Properties

Item	Elongation of Insulation
	Tensile Strength of Insulation
	Abrasion
	Pull–out Test
Condition	JIS K–6732
	JIS K–6732
	Test 0.5mmø, 600g, 60 cycle/min
	–
Properties	More than 70%
	More than 3kgf/㎟
	More than 10,000 times
	More than 20 times

Vision System Inspection
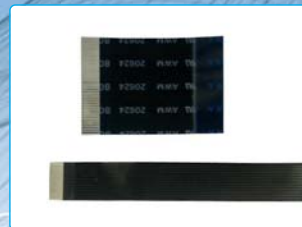

Environment

−ROHS / ROHSⅡ / REACH Compliance   −Low Smoke Halogen Free (LSHF) / Halogen free

⊕ Applications

▶ **Display**
- LCD, PDP, LED, Monitor
  Audio, Video, Printer, Home Equipment,
  Camcorder, Digital Camera

▶ **Automobile**
- Car Audio, Navigation, Blackbox,
  Automotive component module

▶ **Computer**
- Notebook PC, CD/DVD ROM

▶ **Printer**
- Inkjet Printer
- Multi Function Printer
  Scanner, Plotter

▶ **Drone**
- Camera module, Board

Quality, High-Technology & Trustworthiness with **KORATECH**

koratech CO., LTD.