

# JF04 Series FFC Cable Assembly for High Speed Transmission

Technology to Inspire Innovation

# JAE

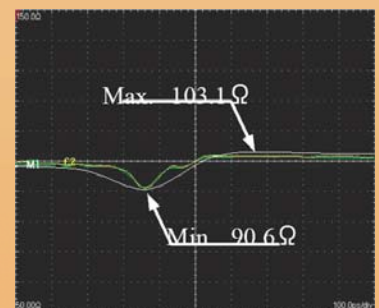
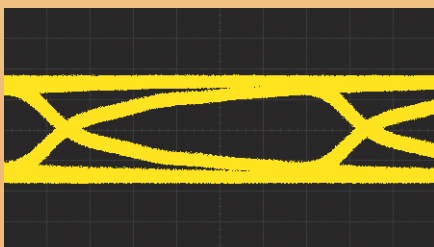
## Features:

- Mates with FI-R series connectors specified in VESA Panel standards
- 100-ohm impedance matching
- Impedance and EMI control
- Transmission of serial signal over 1m is possible
- Stable, reinforced grounding
- Locking mechanism for secure mating
- Mechanically designed for strength and ease of use
- Robust latch buttons
- Tactile and audible click when mated
- **Bendable and thin for easy routing**

**JF04 Series High Density Flat Flex Cable Provides Space Saving Solutions**

**Transmits internal high-speed serial signals such as LVDS, TMDS™, HDMI™, PCI Express®**

*\*TMDS is a trademark of Silicon Image. HDMI is a trademark of HDMI Licensing LLC. PCI Express is a trademark of PCI-SIG.*



## GENERAL SPECIFICATIONS

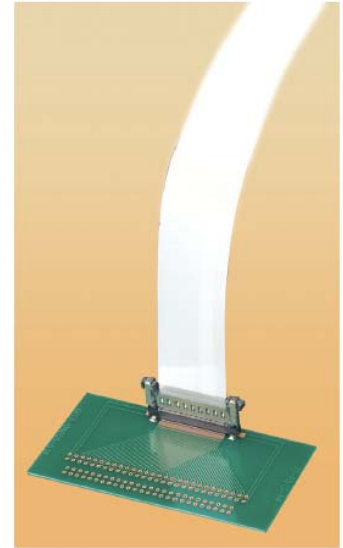
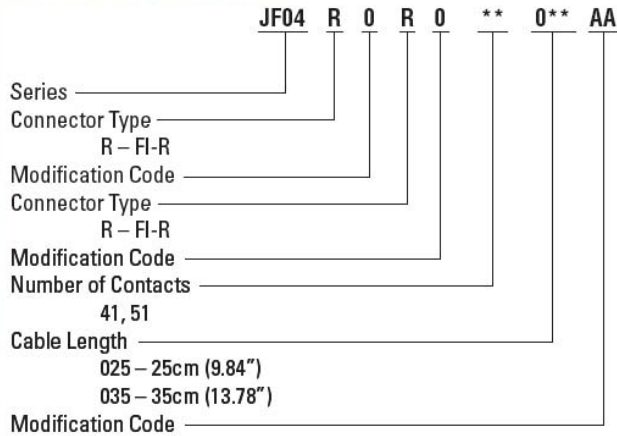
Number of Contacts	41, 51 pos.
Rated Current	AC, DC each 0.3 A per contact
Contact Resistance	40 milliohms max.
Insulation Resistance	100 megohms min.
Dielectric Withstanding Voltage	250 VAC r.m.s. (for 1 minute)
Pitch	0.5 mm (0.02")
Operating Temperature Range	-40° C to +80° C
Impedance	Connector: 100 ohms +/- 15 %, FFC: 100 ohms +/- 10 %

## MATERIALS AND FINISHES

Description	Materials/Finishes
FFC	PET, Copper/Contact portion, Gold Plating
Base Shell	Stainless Steel, Zinc Plating
Base Insulator	Heat-resistant Plastic
Lock Spring	Stainless Steel
Cover Shell	Stainless Steel, Zinc Plating
Cover Insulator	Heat-resistant Plastic



## ORDERING INFORMATION



## AVAILABLE CONFIGURATIONS

JF04 Part #s	Description	FI-RE Mating Part #s	Description
JF04R0R041025AA	Cable Harness, 41 pos., 25cm (9.84") length	FI-RE41S-HF	41 pos. right angle receptacle
JF04R0R041035AA	Cable Harness, 41 pos., 35cm (13.78") length	FI-RE41S-VF	41 pos. vertical receptacle
JF04R0R051025AA	Cable Harness, 51 pos., 25cm (9.84") length	FI-RE51S-HF	51 pos. right angle receptacle
JF04R0R051035AA	Cable Harness, 51 pos., 35cm (13.78") length	FI-RE51S-VF	51 pos. vertical receptacle

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**JAE Electronics, Inc.**