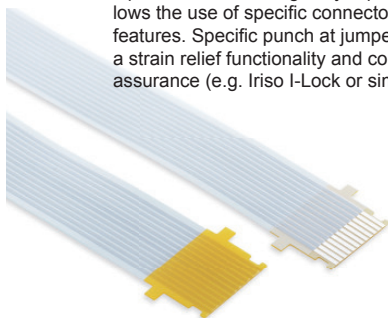


Hitaltech ZIF Jumpers (FFC cable) are used for connecting PCB's. Compatible with ZIF connectors (zero insertion force) or LIF connectors (low insertion force). The cable can be delivered with a gold plated surface to prevent whisker-growths.

### BENEFITS

- Defined stripping of insulation and application of stiffener in the contact area provides secure connection to all conventional connection systems
- Small dimensions due to thin foils and small pitches possible
- Fast assembly by simple insertion
- High flexibility and bending resistance
- Special versions available, e.g. LIF/ZIF
- pins can be combined with round solder pins
- Optional custom design of jumper mating area allows the use of specific connectors with additional features. Specific punch at jumper ends provides a strain relief functionality and connector position assurance (e.g. Iriso I-Lock or similar)



### CHARACTERISTICS

- Available pitches 0,5; 1,0; 1,25 and 2,54 mm
- Temperature range -40°C ... 105°C
- Copper wire can be bladed with tin or gold
- Customer specific design for contact area and reinforcements

### BENEFITS OF THE GOLD PLATING

- Low contact resistance
- Increased number of mating cycles
- Low current voltages
- Prevention of whisker effect for small centerlines
- Connection with NiAu-plated connectors

### TECHNICAL DATA

<b>D</b> Order code	I	E	G	A
Pitch (mm)	0,5	1,00	1,25	2,54
<b>A</b> number of pins (n)	6-50	4-30	4-30	24
Insulation Length (mm)	15-1000			
<b>E</b> Margin (mm)	0,5	1,0	1,25	2,54
<b>N</b> Length of stripped insulation (mm), Nominal size (standard)	3-5 (4)	3-5 (5)		
<b>K</b> Length of reinforcement (mm), nominal (standard)	6-10 (8)	6-10 (10)		
Conductor material	Cu tin-plated - Optional Ni/AuCo			
<b>G</b> Wire dimension (mm)	0,30 x 0,10/0,05	0,70 x 0,10/0,05*	0,80 x 0,10	1,50 x 0,10
Insulation	Polyester, PEN			
Reinforce insulation	Polyester			
<b>B</b> Total width (mm)	(Number of pins + 1) x Pitch			
<b>W</b> Pitch width (mm)	(Number of pins - 1) x Pitch			
<b>H</b> Total thickness of contact area (mm)	0,3			
Insulation resistance (Ω) (GRD-SIG-GRD)	>10 <sup>10</sup>			
Current rating at 20°C (A)	0,5	1,0	1,5	3,0
Voltage rating (V <sub>DC</sub> )	60	200	200	300
Operation temperature (°C)	-40 bis +105			

Customer specials on request.

Pitch  
e.g. E = 1,00 mm  
see pitch code

Insulation material  
e.g.  
P = Polyester  
E = PEN  
K = Polyimide

Termination Style  
e.g.  
N = identical ends  
NW = different

ZIF - E 10 - P 100 - N -

Number of pins

Insulation length  
from 20-5000 mm  
Special lengths on request

Special designs  
on request, drawing required

