



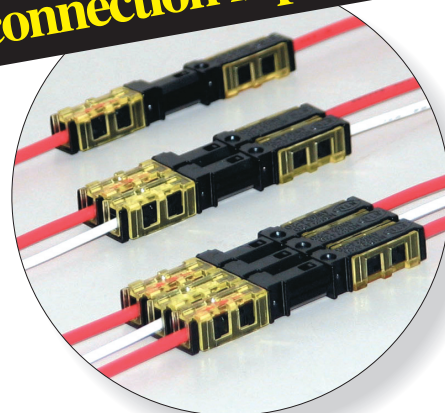
Wire to wire IDC  
NDC 2420



**Simply structured for single connection.**

No need of stripping wires or the use of special tools.

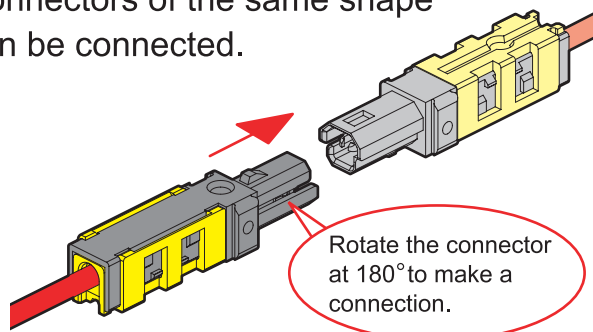
**Multi pole connection is possible.**



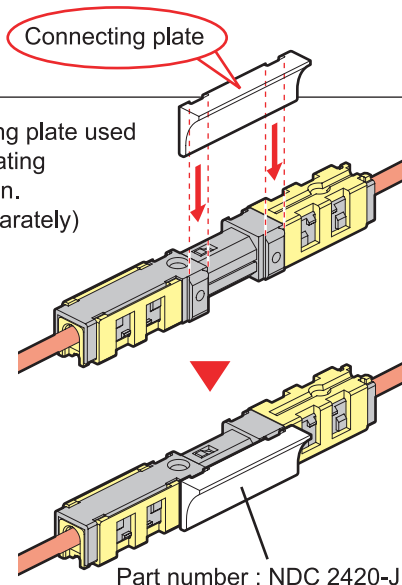
**NICHIFU**

## FEATURES

- 1 Connectors of the same shape can be connected.

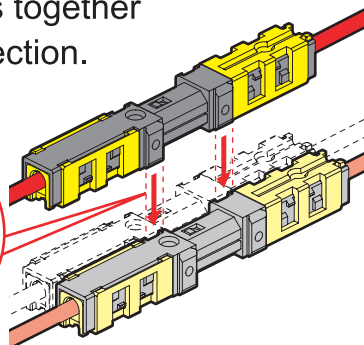


Connecting plate used to lock mating connection.  
(Sold separately)



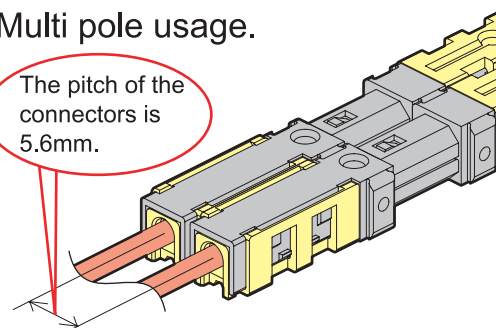
- 2 Link the connectors together for multi pole connection.

After the insulation displacement connection, connectors can be attached by sliding them along each guide rail.



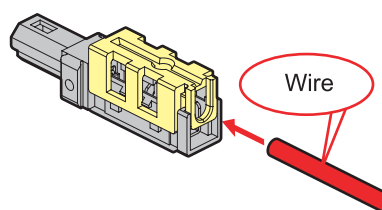
Multi pole usage.

The pitch of the connectors is 5.6mm.

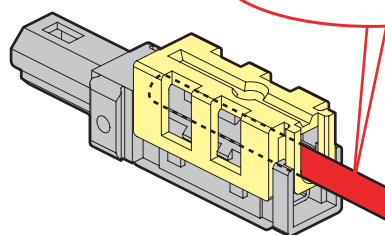


## IDC connection

- 1 Insert the wire.

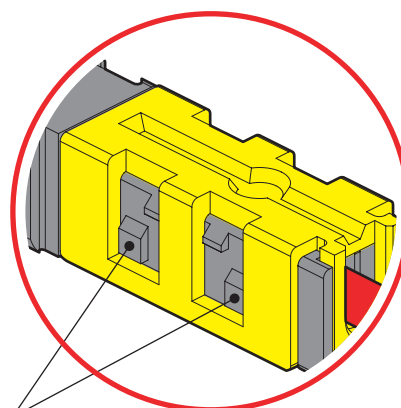
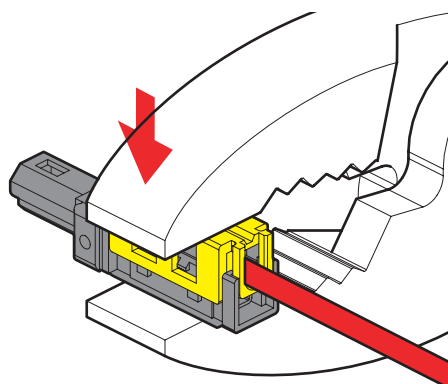


Insert the wire until it reaches the end.



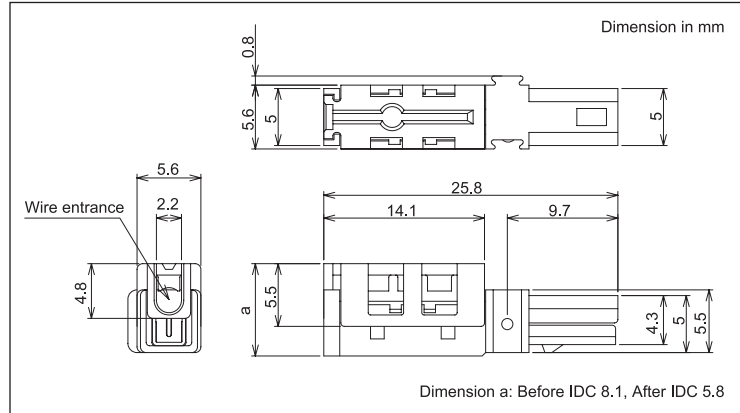
- 2 Making insulation displacement connection.

Note) Use a plier at its open jaw condition.



Confirm that it is correctly locked.  
(Two locking mechanisms on both sides.)

# Dimensions and specification



## Applicable wire size

Wire size	0.2~0.5mm <sup>2</sup> AWG 24-20
Max. wire outside diameter	2.1mm

Note) Not reusable after IDC connection.

## Applicable wire standards

UL1007 AWG24-AWG20
KV (per JIS) 0.2mm <sup>2</sup> ~ 0.5mm <sup>2</sup>
KIV (per JIS) 0.3mm <sup>2</sup>
VSF (per JIS) 0.3mm <sup>2</sup>

## Rating

Voltage	100V
Current	2A (AWG24-22) 3A(AWG20)
Working temperature	-20°C~75°C
Assemble temperature	0°C~40°C

## Recommended plier

Plier (JIS B4614 Size 150)

## Material

Housing	Polycarbonate (Black)
Cover	Polycarbonate (Yellow translucent)
Contact	Pre-tin plated phosphor bronze
Connecting plate (Sold separately)	Polycarbonate (White)

## Package quantity

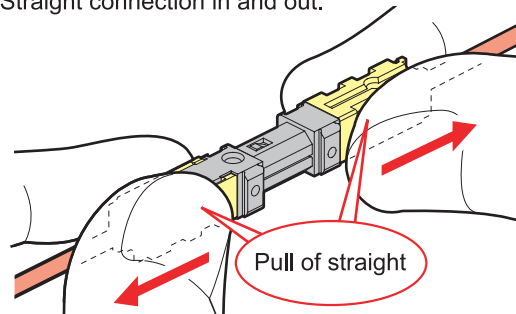
Connector	200pcs. (20pcs. x 10)
Connecting plate	100pcs. (10pcs. X 10)

RoHS compliant

For safety use,  
read following points prior to usage.

- Check the product specification.
- For copper wire only.
- Do not use wires other than applicable wires per standard.
- Use within the rated voltage, current, working temperature and assemble temperature.
- Connection of wire and connector shall be made when power is turned off.
- Indoor use only.
- Avoid using under conditions such as high temperature, low temperature, high humidity, much dust, places with vibration & strong impact, water, oils, chemicals, and corrosive gas.
- Fix wires without causing tension.
- IDC contact is not reusable.

- Straight connection in and out.





<http://www.nichifu.co.jp>



INTERNATIONAL DIV. (MORIS CO., LTD.)

1-3-58, Tsurumi, Tsurumi-Ku, Osaka, Japan 538-0053 TEL: +81-6-6911-1455 FAX: +81-6-6911-1477 E-mail: [moris@nichifu.co.jp](mailto:moris@nichifu.co.jp)

NICHIFU SINGAPORE PTE. LTD.

7 Shenton Way #01-02, Singapore Conference Hall, Singapore 068810 TEL: +65-6741 3008 FAX: +65-6741 3605 E-mail: [singapore@nichifu.co.jp](mailto:singapore@nichifu.co.jp)

NICHIFU AMERICA, INC.

22 Congress Circle West, Roselle, IL 60172 U.S.A. TEL: +1-630-351-1958 FAX: +1-630-351-1961 E-mail: [america@nichifu.com](mailto:america@nichifu.com)

EUROPE REPRESENTATIVE OFFICE

Frans Coenenhove 9, 3438 HJ, Nieuwegein, The Netherlands TEL: +31-30 268 18 86 FAX: +31-30 268 18 87 E-mail: [europe@nichifu.co.jp](mailto:europe@nichifu.co.jp)

No.10631202.5000