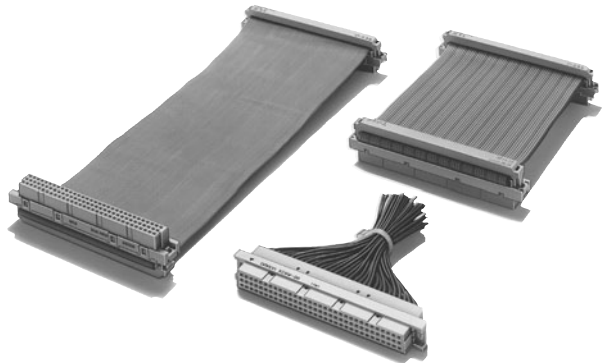


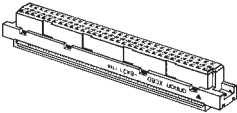
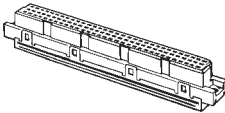
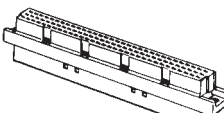
### Wider range of uses than normal DIN Connectors

- Two types of Connectors, for flat cables and discrete wires. Select the type for your application.
- Flat Cable Connectors (XC6D, XC6H) enable VME bus configurations (daisy chain) and back-plane systems.
- The Discrete-wire Press-fit Connectors (XC6V) have solderless contacts and use separated contact blocks to significantly reduce the number of harnesses.



### RoHS Compliant

### Connectors

Model	XC6D	XC6H	XC6V
Appearance	Flat Cable Connectors with double rows 	Flat Cable Connectors with triple rows 	Discrete-wire Press-fit Connectors 
Page	2	3	5

### Ratings and Characteristics

Item	XC6D	XC6H	XC6V	Remarks
Rated current	1 A	0.65 A	3 A max.	
Rated voltage	250 VAC	100 VAC	300 VAC	
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.)			
Insulation resistance	1,000 MΩ min. (at 500 VDC)			
Dielectric strength	500 VAC	300 VAC	650 VAC	1 minute, leakage current 1 mA max.
Total insertion force	0.59 N per contact max.			
Removal force	0.15 N min. (with test gauge, t = 0.56 mm)			
Insertion durability	200 times			
Ambient operating temperature	Operating: -55 to 105°C			(with no icing at low temperature)

### Materials and Finish

Item	XC6D	XC6H	XC6V (See note.)
Housings	Fiber-glass reinforced PBT resin (UL94V-0)/gray		
Contacts	Mating end	Copper alloy/nickel base, 0.4-μm gold plating	
	Terminal	Copper alloy/nickel base, 2.0-μm tin plating	
Strain Relief	Fiber-glass reinforced PBT resin (UL94V-0)/gray	---	

**Note:** This includes the Connector Housing and Single-row Contact Housing.

### Applicable Wires

Model	XC6D	XC6H	XC6V (See note.)
Wire	XY3A-640□ 1.27 mm-pitch flat cable AWG28 (strand wire) 64 strands UL2651 (standard cable) UL20012 (folding cable) UL20028 (color-coded cable)	XY3A-9605 0.847 mm-pitch flat cable AWG30 (strand wire) 96 strands UL20028 (standard cable)	<ul style="list-style-type: none"> <li>• Size 1 AWG24 (uses UL1061) AWG26 (uses UL1007)</li> <li>• Size 2 AWG26/28 (uses UL1007)</li> </ul>

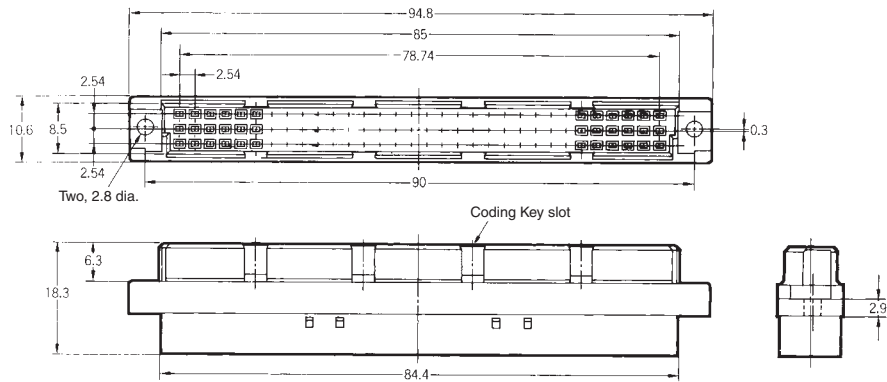
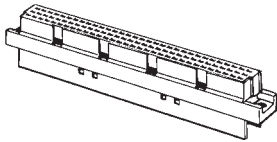
**Note:** The size numbers are printed on the insulation barrel part of the contact.

# XC6V Discrete-wire Press-fit DIN Connectors

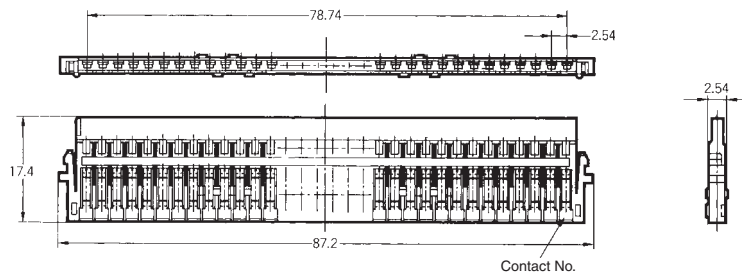
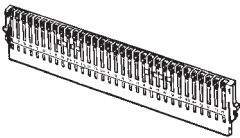
## ■ Dimensions

(unit: mm)

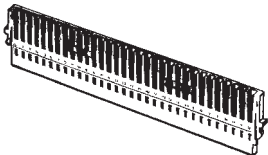
### Connector Housing XC6M-96



### Single-row Contacts XC6W-3221 (Size 1 AWG24/26) XC6W-3222 (Size 2 AWG26/28)

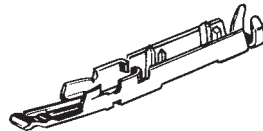


### Dummy Board XC6T-32

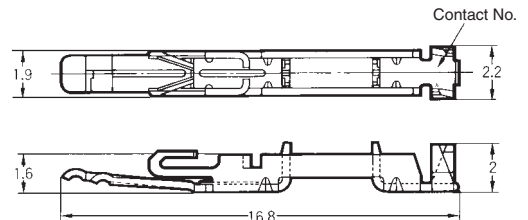


**Note:** Dimensions are the same as those for the Single-row Contacts.

### Spare Contacts XC6W-0021 (Size 1, AWG24/26) XC6W-0022 (Size 2, AWG26/28)



**Note:** This can be used as a replacement Connector in the event of erroneous connection.



## ■ Ordering Information

### Individual Models

Name	No. of contacts	Applicable wire	Model
Connector Housing	(See note.)	---	XC6M-96
Single-row Contacts	32	AWG24/26	XC6W-3221
	32	AWG26/28	XC6W-3222
Dummy Board	---	---	XC6T-32
Spare Contacts	---	AWG24/26	XC6W-0021
	---	AWG26/28	XC6W-0022

**Note:** Three Single-row Contacts (32 contacts) can be inserted.

### Combinations

No. of contacts	Applicable wire	Model	Model and quantity
96	AWG24/26	XC6V-9621	XC6M-96 × 1 XC6W-3221 × 3
	AWG26/28	XC6V-9622	XC6M-96 × 1 XC6W-3222 × 3
64	AWG24/26	XC6V-6421	XC6M-96 × 1 XC6W-3221 × 2 XC6T-32 × 1
	AWG26/28	XC6V-6422	XC6M-96 × 1 XC6W-3222 × 2 XC6T-32 × 1

**Note:** 1. Accommodating model numbers are not printed on the Connectors.

2. For combinations other than the above especially when using different wires for each row, order the Connectors individually.

## ■ XC6V Accessories

### Contact Extraction Tool

XY2D-0003

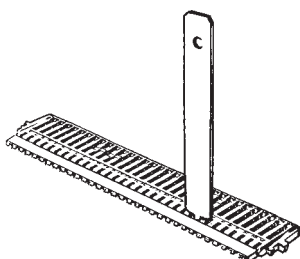


Used to remove contacts that were mistakenly connected to the socket housing.

<b>Model</b>
XY2D-0003

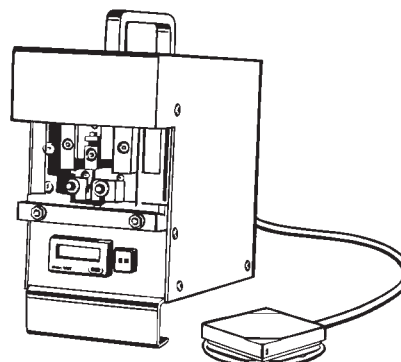
#### Procedure

1. Insert the lance holder of the tool into the lance hole in the housing.
2. When the hole is wide enough, remove the contact.
3. Insert a new Spare Contact.



### Wire Press-fit Tool Set

XY2B-2105-N



(Contact the product dealer for delivery details.)

<b>Model</b>
XY2B-2105-N

This simple electric press-fit tool is designed for XC6V Discrete-wire DIN Connectors.

#### Specifications

Stroke	13 mm
Motor speed	83/100 rpm (50/60 Hz)
Feed pitch	2.54 mm
Operation	Foot switch
Weight	About 6 kg
Rated voltage	0.5 A, 100 VAC (50/60 Hz)
Fuse	1 A
Dimensions	120 × 200 × 225 mm (W × H × D)

**Note:** See the Press-fit Tool User's Manual for function and operating details.

#### Applicable Connectors and Wires

Applicable Connector	Cont act No.	Applicable wires			
		UL file No.	Size [No. or wires/diameter (mm)]	Cross-sectional area (mm)	Covering diameter (mm)
XC6V-9621 (Connector set)	No. 1	UL1061	AWG24 [7/0.203]	0.21	1.10 dia.
XC6W-3221 (Single-row Contacts)		UL1007	AWG26 [7/0.16]	0.13	1.30 dia.
XC6V-9622 (Connector set)	No. 2	UL1007	AWG26 [7/0.16]	0.13	1.30 dia.
XC6W-3222 (Single-row Contacts)			AWG28 [7/0.127]		

**Note:** Use only wires specified in the table above.