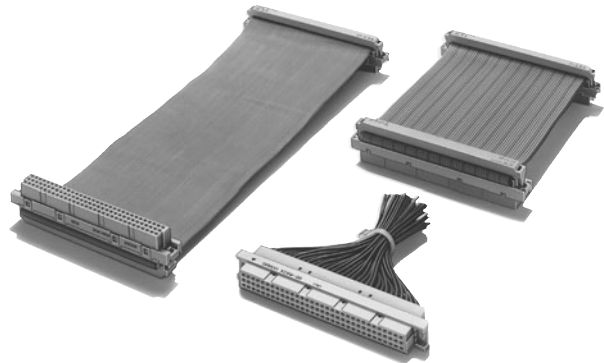


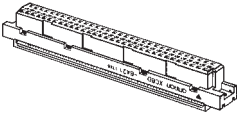
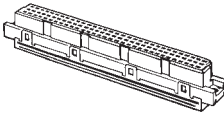
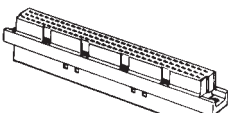
Wider range of uses than normal DIN Connectors

- 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"> • Size 1 AWG24 (uses UL1061) AWG26 (uses UL1007) • Size 2 AWG26/28 (uses UL1007)

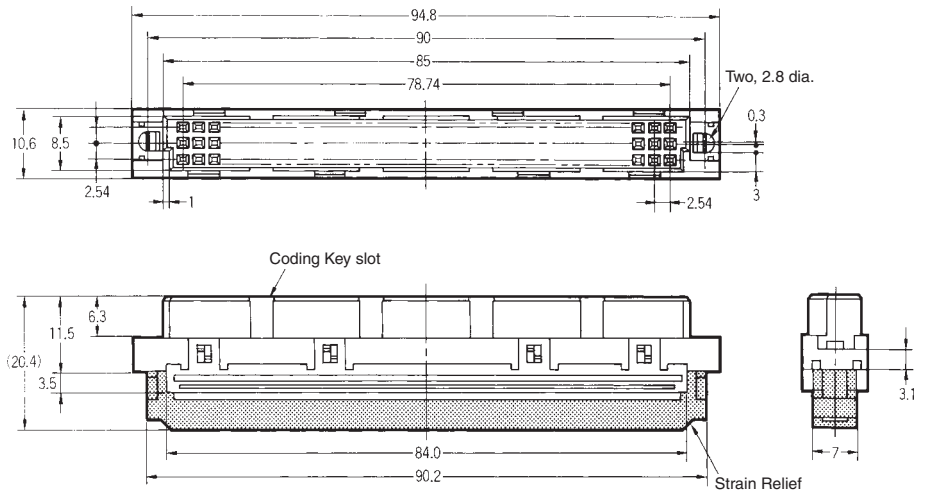
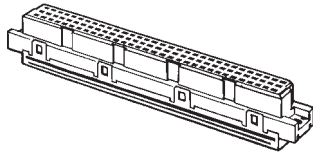
Note: The size numbers are printed on the insulation barrel part of the contact.

XC6H Triple-row Flat Cable Connectors, DIN C-type

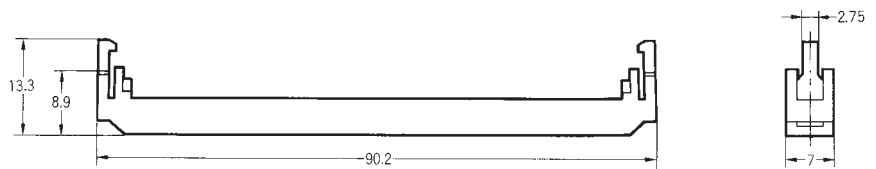
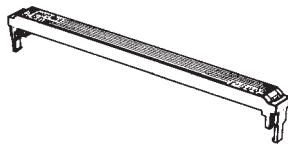
■ Dimensions

(unit: mm)

XC6H-9621
Socket



XC6T-644
Strain Relief



■ Ordering Information

No. of contacts	Socket (See note.)	Strain Relief
96	 XC6H-9621	 XC6T-644

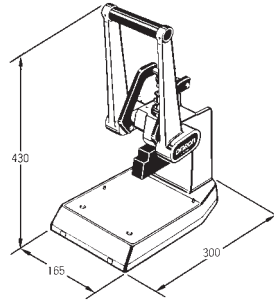
Note: Strain Relief sold separately.

XC6D/XC6H Press-fit Tools (unit: mm)

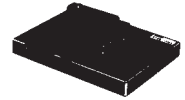
Use the Press-fit Tool (XY2B-0002) with the XY2B-1005 Attachment.

Model
XY2B-0002
XY2B-1005

Press-fit Tool
XY2B-0002

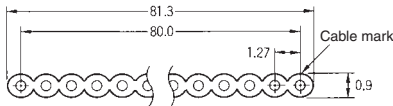
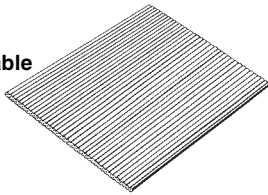


Attachment
XY2B-1005

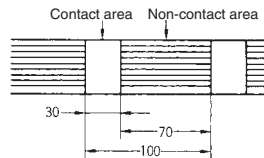
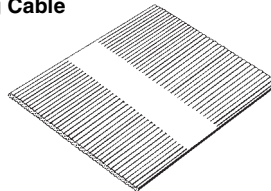


Flat Cables (unit: mm)

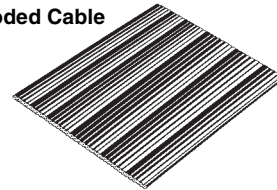
1.27-mm Pitch/Flat Cables for XC6D Connectors
XY3A-6401
Standard Cable



XY3A-6402
Folding Cable



XY3A-6403
Color-coded Cable



Ordering Information (Order in 1-roll (61.0 m) units)

No. of cores	Standard Cable	Folding Cable	Color-coded Cable	Applicable Connector
64	XY3A-6401	XY3A-6402	XY3A-6403	XC6D-6421

Ratings and Characteristics

Item	XY3A-6401 Standard Cable	XY3A-6402 Folding Cable	XY3A-6403 Color-coded Cable
UL file No.	UL2651	UL20012	UL20028
Max. operation voltage	300 V	150 V	150 V
Max. operation current	105°C	80°C	105°C
Max. conductor resistance	224 Ω/km (at 20°C)		
Dielectric strength	2,000 VAC 50/60 HZ for one min		
Min. insulation resistance	5 MΩ·km (at 20°C)		

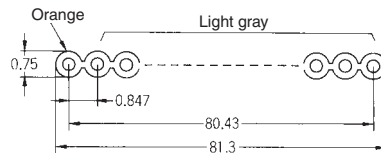
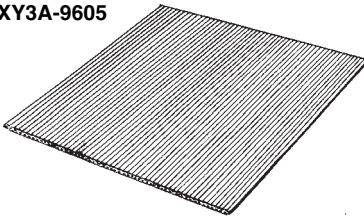
Core No.	Insulation color	Core No.	Insulation color
1	Brown	6	Blue
2	Red	7	Purple
3	Orange	8	Gray
4	Yellow	9	White
5	Green	10	Black

Note: The colors above repeat again from 11 cores.

Materials

Conductor	AWG28 (7/0.127), tin plated, soft copper wire
Insulation	Heat-resistant vinyl

0.847-mm Pitch/Flat Cable for XC6H Connectors
XY3A-9605



Ordering Information (Order in 1-roll (61.0 m) units)

No. of cores	Model	Applicable Connector
96	XY3A-9605	XC6H-9621

Ratings and Characteristics

UL file No.	UL20028
Max. operation voltage	150 V
Max. operation current	105°C
Max. conductor resistance	354 Ω/km (at 20°C)
Dielectric strength	2,000 VAC 50/60 HZ for one min
Min. insulation resistance	5 MΩ·km (at 20°C)

Materials

Conductor	AWG30 (7/0.102), tin plated, soft copper wire
Insulation	Heat-resistant vinyl