

# Tinned-Copper Wire Type

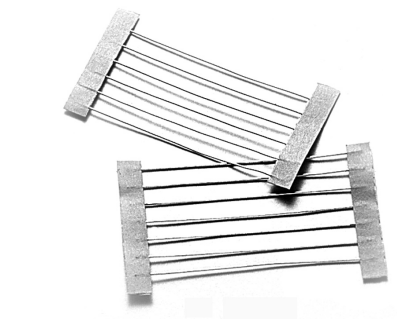
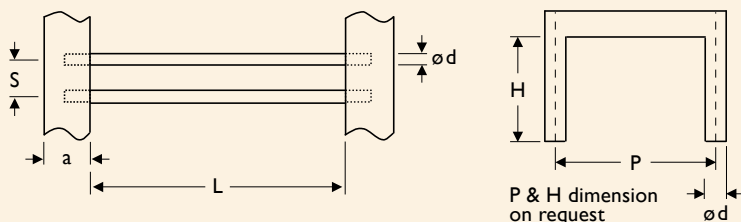
## Normal Style [JPW Series]

### Jumper Wires

#### SPECIFICATIONS

Material of Jumper Wire	Soft copper wire with tin plating		
Wire Diameter	ø0.5, ø0.6, ø0.7, ø0.8, ø1.0 (±0.05mm)		
Tension Strength	CNS 8938 within 28kg/mm²		
Extension Rate	CNS 8938 ø0.5 to ø0.6mm	over 24%	
	CNS 8938 ø0.7 to ø1.0mm	over 26%	
Conductivity	ø0.5mm	Minimum 94%	
	ø0.6 to ø1.0mm	Minimum 96%	
Twisting Strength	CNS 8938 ø0.5mm	Load 250g	3 cycles
	CNS 8938 ø0.6 to ø0.8mm	Load 500g	3 cycles
	CNS 8938 ø1.0mm	Load 1.0kg	3 cycles
Solderability	235±5°C, 3±0.5 Sec. coverage 95%		
Element of Plating	Tin Minimum 99.9%		
Thickness of Plating	4±1 µm		
Current Rating	ø0.5mm	6 AMPS at 70°C	
	ø0.6mm	7.5 AMPS at 70°C	
	ø0.7mm	8.5 AMPS at 70°C	
	ø0.8mm	10 AMPS at 70°C	
	ø1.0mm	15 AMPS at 70°C	
Appearance	Smooth and shining		

#### DIMENSIONS



#### INTRODUCTION

Jumper wires or crossovers, as they are sometimes called, are basically interconnection devices between points on a PC Board. Generally they are used for the following reasons:

- Inability to connect two points on a PC Board due to other circuit paths which must be crossed over
- An After-the-Fact design change that requires new point connections
- Circuit tuning by changing point connections

Jumper wires offers a quick simple solution to these problems. They are especially suited for automatic machine insertion on lead tape, and are available in all packaging styles, including pre-cut and formed leads, for manual insertion.

- Products meet EU-RoHS requirements

Unit: mm

STYLE	DIMENSION			
Normal	$\phi d$	L	S	a
JPW-05	$0.5\pm 0.05$			
JPW-06	$0.6\pm 0.05$	$26.0\pm 1.0$		
JPW-07	$0.7\pm 0.05$	$52.4\pm 1.0$	$5.0\pm 0.1$	$6.0\pm 0.5$
JPW-08	$0.8\pm 0.05$	$73.0\pm 1.5$		
JPW-10	$1.0\pm 0.05$			