

## CONFIGURATION

Components		Raw Materials
1	Conductor	Tin plated Copper flat conductor Tin plating thickness: 1~3 $\mu$
2	Insulation	Polyester (PET) film + polyester (PET) adhesive
3	Supporting tape	Polyester (PET) film + polyester (PET) adhesive

## CHARACTERISTICS

Item		Test Method	Requirement				
			Ct	0.1	0.05	0.035	
1	Conductor Resistance	JIS C-3102	Cw	1.27	Less than 0.21 $\Omega$ /m	Less than 0.42 $\Omega$ /m	Less than 0.57 $\Omega$ /m
				0.8	-----0.26 $\Omega$ /m	-----0.52 $\Omega$ /m	-----0.74 $\Omega$ /m
				0.6	-----0.38 $\Omega$ /m	-----0.58 $\Omega$ /m	-----0.82 $\Omega$ /m
				0.5	-----0.42 $\Omega$ /m	-----0.81 $\Omega$ /m	-----1.15 $\Omega$ /m
				0.3	-----0.68 $\Omega$ /m	-----1.36 $\Omega$ /m	-----1.82 $\Omega$ /m
2	Insulation Resistance	DC 500V after 1 min.	More than 1,000 M $\Omega$ /m				
3	Dielectric Strength	AC 500V for 1 min.	No breakage				
4	Open/Short Test	Tester,DC 3.0V, 0.1mA	Pass				
5	Heat Resistance	85°C , 96hrs	Insulation Resistance and Dielectric Strength within the specification				
6	Heat Cycle Test	-40°C→+25°C→+85°C →+25°C , 12hrsx2cycles	Insulation Resistance and Dielectric Strength within the specification				
7	Moisture Resistance	40°C, 95%RH, 96hrs	Insulation Resistance and Dielectric Strength within the specification				
8	Flame Test	UL VW-1	Pass				
9	Flexibility Test	10mmRx10cmx70cycle/min	More than 30,000 cycles				
10	Bending Test (180°) (clip the point of supporting tape)	±90° , 600g , 0.5mmR	durable more than 100 cycles				
11	Abrasion Test	ø5mm, 600g, 60 cycles/min	More than 10,000 cycles				