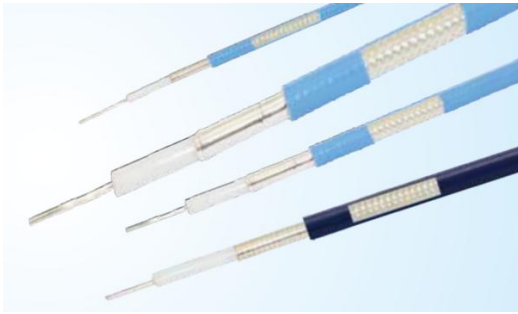


## JC Series Alternative Semi-rigid, Semi-Flexible—Flexible Phase-Stable Cables



### ◆ Product Introduction ◆

JC series cable adopts double shielding silver-plated copper tape winding wrapped with round wire braiding production process, making the cable in the full frequency range with excellent electrical and mechanical performance indicators. The cable has a high cost performance ratio and is the choice of low loss and low cost.

In respect of electrical performance, signal transmission rate of the cables up to 70%, and also has the advantages of low loss and high shielding efficiency.

In respect of mechanical performance, the series of cables have very good flexibility and mechanical phase stability.

In respect of environmental use, the use of high-quality performance of the outer sheath of raw materials, it has a wide range of use temperature, corrosion resistance, moisture and mildew resistance, flame retardant and other characteristics.

### ◆ Product Features ◆

- \* Maximum operating frequency DC- 40GHz
- \* Mechanical phase stabilization  $\pm 10^\circ$
- \* Amplitude stability  $\pm 0.1\text{dB}$
- \* Excellent shielding performance
- \* Good bending stability
- \* The best choice for cabinet jumper

### ◆ Application ◆

- \* PIM cable
- \* Radios
- \* Feeder network
- \* Instrumentation
- \* Test cables
- \* In-cabinet jumpers
- \* Interconnection between board

◆ Main Parameters ◆

Main Parameters			
Working frequency	40GHz	26.5GHz	18GHz
Characteristic impedance	500	500	500
Transmission rate	70%	70%	70%
Dielectric constant	2.04	2.04	2.04
Time delay	4.76nS/m	4.766nS/m	4.76nS/m
Capacitance	99.2pF/m	95.1pF/m	98.0pF/m
inductance	0.23μH/m	0.24 μH/m	0.23 μH/m
Media pressure resistance	1500(V,DC)	2000(V,DC)	2500(V,DC)
Shielding efficiency	<-90dB	<-90dB	<-90dB
Static bending radius	14mm	20mm	33mm
Dynamic bending radius	28mm	40mm	65mm
Weight	22g/m	49g/m	142g/m
Working temperature	FEP:-55~125°C;-PU:PUR:-55~85°C		

◆ Attenuation & Frequency Table ◆

Frequency	300	1000	2000	3000	6000	8000	10000	12000	16000	18000	26500	40000
JC280/JC280-	37.0	69.3	100.3	125.0	183.7	216.4	246.1	273.7	324.4	348.2	440.8	570.9
JC400/JC400-	19.9	38.2	56.3	71.1	107.5	128.3	147.6	165.8	199.9	216.1	280.5	
JC650	13.1	25.7	38.7	49.5	77.0	93.1	108.3	122.7	150.1	163.3		

◆ Loss & Frequency Variation Graph ◆

