



**TIANYI CABLE**

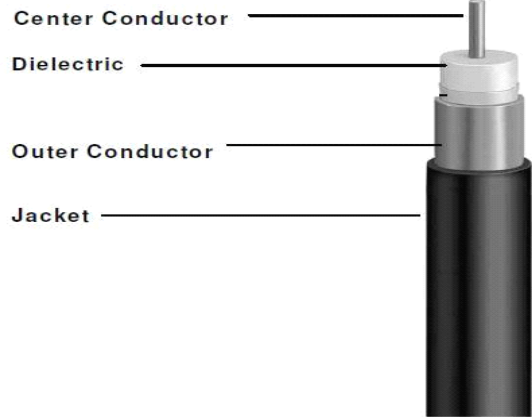
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## TY 500JCA

75 Ohm Coaxial Cable  
Trunk Cable



### Physical specifications

Item	Material	Diameter
Inner conductor	CCA	2.77mm
Dielectric	Polyethylene (Gas Injected)	11.43mm
Outer Conductor	Seamless Aluminum	12.70mm
Outer Conductor Thickness	Aluminum Tube	0.61mm
Jacket	PE	14.70mm

### Mechanical specifications

Minimum Bending Radius	16.5cm
Maximum Pulling Tension	136kgf
Breaking Strength of Messenger	816kgf

### Electrical specifications

Capacitance	50±3pF/m
Impedance	75±3Ω
Nominal Velocity of propagation	87%

### Resistance @ 68°F (20°C)

Inner conductor	4.43Ω/km
Out conductor	1.21Ω/km
Loop	5.64Ω/km

### Attenuation @ 68°F (20°C)

5MHz	0.52dB/100m
55MHz	1.77dB/100m
83MHz	2.17dB/100m
211MHz	3.58dB/100m
250MHz	3.94dB/100m
300MHz	4.30dB/100m
350MHz	4.69dB/100m
400MHz	5.02dB/100m
500MHz	5.67dB/100m
550MHz	5.97dB/100m
600MHz	6.27dB/100m
750MHz	7.09dB/100m
865MHz	7.68dB/100m
1000MHz	8.27dB/100m

