



**TY 540JCAM109**  
75 Ohm Coaxial Cable  
Trunk Cable



**Physical specifications**

Item	Material	Diameter
Inner conductor	CCA	3.15mm
Dielectric	Foamed Polyethylene	13.03mm
Outer Conductor	Welding Aluminum	13.72mm
Outer Conductor Thickness	Aluminum Tube	0.35 mm
Jacket	PE	15.49mm
Messenger	Steel	2.77 mm

**Mechanical specifications**

Minimum Bending Radius	16.5cm
Maximum Pulling Tension	100kgf
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	3.34Ω/km
Out conductor	1.94Ω/km
Loop	5.28Ω/km

**Attenuation @ 68°F ( 20°C)**

5MHz	0.46dB/100m
55MHz	1.54dB/100m
83MHz	1.90dB/100m
211MHz	3.12dB/100m
250MHz	3.38dB/100m
300MHz	3.71dB/100m
350MHz	4.03dB/100m
400MHz	4.33dB/100m
500MHz	4.89dB/100m
550MHz	5.12dB/100m
600MHz	5.38dB/100m
750MHz	6.07dB/100m
865MHz	6.56dB/100m
1000MHz	7.12dB/100m

