

Coaxial Cable

Coaxial cable featuring electrical and mechanical characteristics. Key parameters include impedance, capacitance, velocity of propagation, structural return loss, attenuation, and DC resistance.



Product Overview

High-Performance Trunk & Distribution Coaxial Cable

This series of high-quality coaxial cables (a12, 500, 565, 625, and 750) is engineered for reliable signal transmission in demanding trunk and distribution applications. Featuring a precise 75 Ohm impedance and 85% velocity of propagation, these cables ensure minimal signal loss and high structural integrity. Built with robust jacket materials and high tensile strength, they are designed to withstand challenging installation environments while maintaining long-term electrical performance.

Physical Characteristics

Inner Conductor Diameter	1.63 mm
Dielectric Layer Diameter	7.25 mm
Outer Conductor Diameter	8.13 mm
Jacket Diameter	10 mm

Mechanical Characteristics

Minimum Bending Radius	100 mm
Jacket Tensile Strength	12 Mpa
Jacket Elongation	150 %

Electrical Characteristics

Key Electrical Metrics

75 © Impedance	52 pF/m Capacitance	85 % Velocity of Propagation
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Structural Return Loss	20 dB
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Performance Data

Attenuation at 20°C

Frequency (MHz)	Attenuation (dB/100m)
5	0.93
55	2.26
211	4.43
270	5.05
350	5.87
500	7.38
550	7.88
750	9.66