



Lågförlustkoax Superflexibel

Acome M2931Z 50 Ω 1/4"

Flame retardant Low Smoke Zero Halogen Jacket



1 - Inner Conductor : Copper-clad aluminum

Diameter : 1.90 ± 0.05 mm

2 - Dielectric : Cellular Polyethylene

Diameter : 4.40 ± 0.20 mm

Eccentricity of inner conductor : < 2%

3 - Outer Conductor : Helically corrugated copper tube

Diameter over outer conductor : 6.40 ± 0.2 mm

Diameter inside bottom : 4.30 ± 0.15 mm

Section length : 2.70 ± 0.05 mm

4 - Jacket : Low Smoke Zero Halogen compound

Diameter : 7.70 ± 0.2 mm

Mechanical characteristics

Packaging: XBE 500 meters

Weight approx. : 109 kg/km

Fire Resistance : IEC 332-1 / IEC 332-3A

Smoke toxicity : IEC 754-2 / NFC 20-454

Smoke density : IEC 1034

Installation Bending Radius: 25 mm - Min.

Operating Bending Radius : 50 mm - Min.

Tensile Strength : 300 N - Max.

Installation temperature range : -25°C / +60°C

Operating temperature range : -40°C / + 85

Electrical characteristics

Impedance : 50 ± 1.5

Capacitance : 82 ± 1.5 pF/m

Return Loss : **mini 26 dB** from 880 to 960 MHz

mini 23 dB from 1710 to 1880 MHz

Velocity 82%, Dielectric constant, 1.48

Test methods are meeting the requirements of IEC 68 - 96 - 966

Operating frequency : 15 GHz

Operating voltage : 0.6 KV RMS

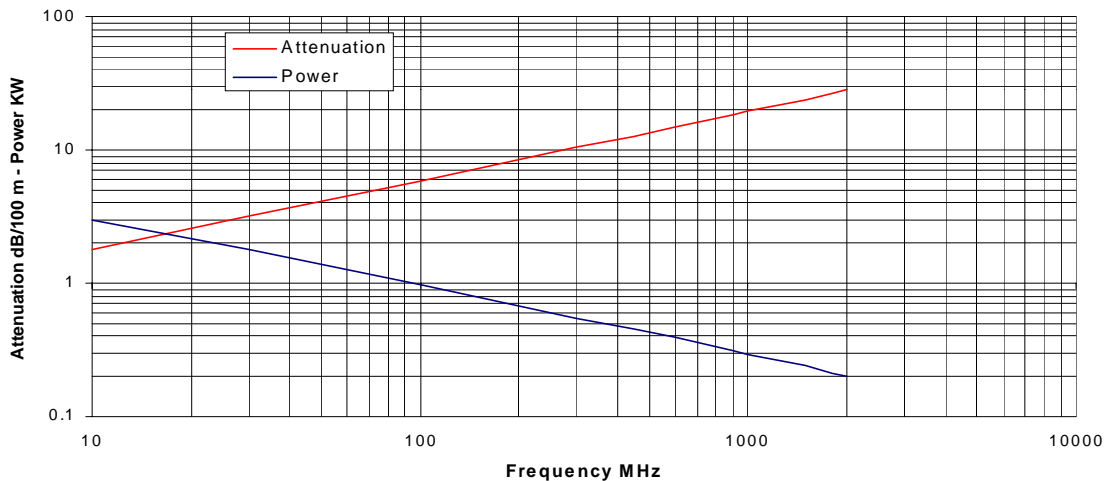
Peak power rating : 3.94 KW

Test voltage : 1.3 KV RMS

Insulation resistance : > 10000 M .km

DC resistance : inner conductor : ≤ 6.3 /km

: outer conductor : ≤ 5.6 /km



Frequency MHz	10	30	100	300	450	600	900	1000	1500	1800	2000
Attenuation dB/100m typical values	1.78	3.17	5.86	10.40	12.60	14.70	18.50	19.57	23.90	26.60	28.46
Power (watt) - 40°C ambient temperature, Inner conductor : 100°C	3000	1780	970	550	450	390	310	290	240	210	200

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