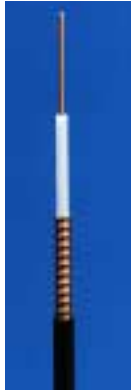




Lågförlustkoax Superflexibel

Acome M2929Z 50 Ω 1/4"

Black Polyethylene Jacket



1 - Inner Conductor : Copper-Clad aluminum
Diameter : 1.90 ± 0.05 mm

2 - Dielectric : Cellular Polyethylene
Diameter : 4.40 ± 0.20 mm
Eccentricity : < 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 : Black Polyethylene
Diameter : 7.70 ± 0.2 mm

Mechanical characteristics

Packaging: XBE 500 meters
Weight approx. : 100 kg/km
Installation temperature range : $-25^{\circ}\text{C} / + 60^{\circ}$
Operating temperature range : $-40^{\circ}\text{C} / + 85^{\circ}\text{C}$
Halogen content : IEC 754-1

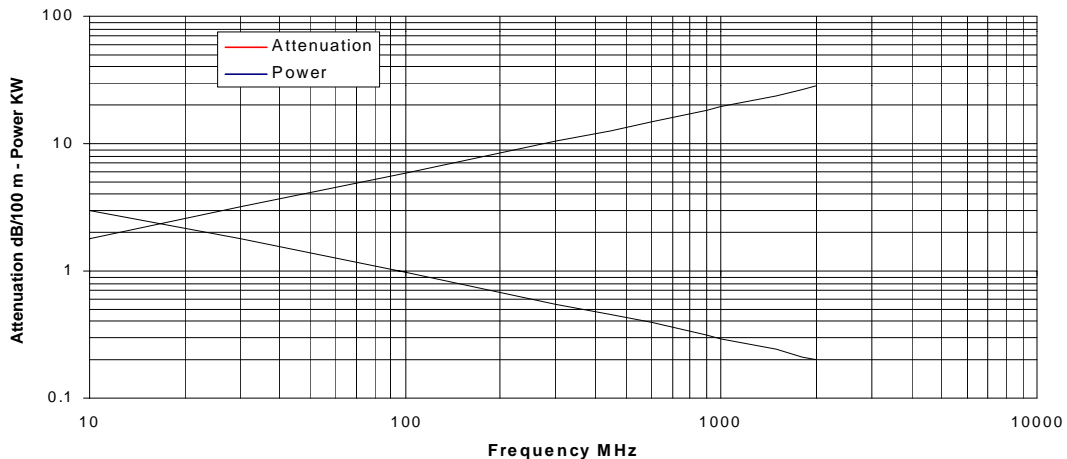
Installation Bending Radius: 25 mm - Min.
Operating Bending Radius : 50 mm - Min.
Tensile Strength : 250 N - Max.
Bending moment : 2.5 Nm

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, typical values

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 \cdot km
DC Resistance: inner conductor : ≤ 6.3 /km
: outer conductor : ≤ 5.6 /km

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



Frequency MHz	10	30	100	300	450	600	900	1000	1500	1800	2000
Attenuation dB/100 m 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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