



Lågförlustkoax Flexibel

Acome M2939Z 50 Ω 1-5/8"

Black Polyethylene Jacket



- 1 - Inner Conductor** : Helically corrugated copper tube
Diameter : 17.3 ± 0.2 mm
- 2 - Dielectric** : Cellular Polyethylene
Diameter : 42.0 ± 0.20 mm
Eccentricity : < 4%
- 3 - Outer Conductor** : Annularly corrugated copper tube
Diameter over outer conductor : 46.2 ± 0.3 mm
Diameter outside bottom : 42.0 ± 0.30 mm
Section length : 10.0 ± 0.3 mm
- 4 - Jacket** : HD Black Polyethylene
Diameter : 50.0 ± 0.5 mm

Mechanical characteristics

Packaging: HBE 500 meters
Weight approx. : 1448 kg/km
Installation temperature range: $-25^{\circ}\text{C} / +60^{\circ}\text{C}$
Operating temperature range: $-40^{\circ}\text{C} / +85^{\circ}\text{C}$
Halogen content : IEC 754-1

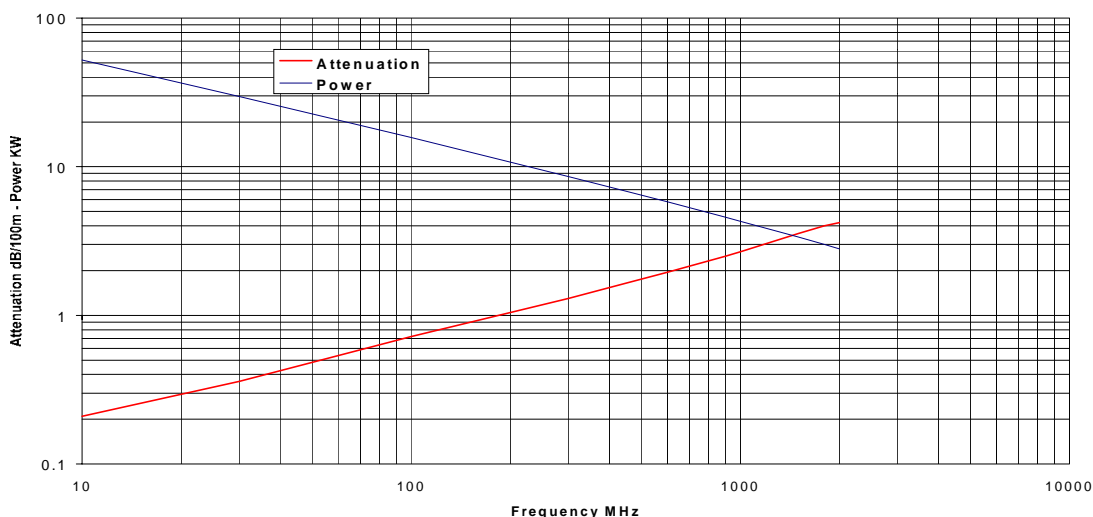
Installation Bending Radius : 300 mm - Min.
Operating Bending Radius : 600 mm - Min.
Tensile Strength : 2000 N - Max.

Electrical characteristics

Impedance : 50 ± 1
Capacitance : 77.5 ± 1.5 pF/m
Return Loss : **mini 26 dB** from 880 to 960 MHz
mini 23 dB from 1710 to 1880 MHz
Velocity: 87%, Dielectric constant: 1.32

Operating frequency : 2.5 GHz
Operating voltage : 5.4 KV RMS
Peak power rating : 306 KW
Test voltage: 11 KV RMS
Insulation Resistance : > 10000 M \cdot km
DC Resistance: inner conductor : ≤ 0.70 /km
: outer conductor : ≤ 0.40 /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	0.21	0.36	0.72	1.30	1.65	1.95	2.50	2.68	3.55	4.0	4.20
Power (Watt) - 40°C ambient temperature Inner conductor : 100°C	52230	29640	15710	8620	6850	5810	4580	4300	3360	3000	2810

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