



## Lågförlustkoax Flexibel

**Acome M2937Z 50 Ω 1-1/4"**

Black polyethylene Jacket



- 1 - Inner Conductor** : Annealed copper tube  
Diameter : 13.0 ± 0.1 mm
- 2 - Dielectric** : Cellular Polyethylene  
Diameter : 32.0 ± 0.20 mm  
Eccentricity : < 4%
- 3 - Outer Conductor** : Annularly corrugated copper tube  
Diameter over outer conductor : 35.7 ± 0.3 mm  
Diameter outside bottom : 32.0 +/- 0.3 mm  
Section length 8.0 +/- 0.2 mm
- 4 - Jacket** : HD Black Polyethylene  
Diameter : 39.5 ± 0.5 mm

### Mechanical characteristics

Packaging : GBE 500 mètres  
Weight approx. : 940 kg/km  
Installation temperature range : -25°C / +60°C  
Operating temperature range : -40°C / + 85°C  
Halogen content : IEC : 754-1

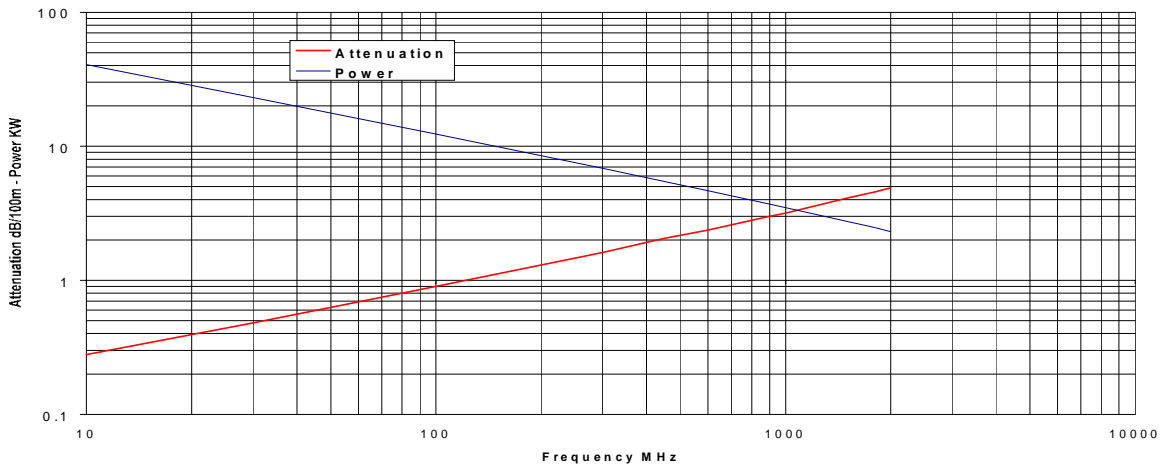
Installation Bending Radius : 200 mm - Min.  
Operating Bending Radius : 500 mm - Min.  
Tensile Strength 1700 N - Max.

### Electrical Characteristics

Impedance : 50 +/-1  
Capacitance : 78 +/- 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, typical values

Operating frequency : 3 GHz  
Operating voltage : 4.3 KV RMS  
Peak power rating : 181 KW  
Test voltage : 8 KV RMS  
Insulation resistance : > 10000 M .km  
DC Resistance: inner conductor : ≤ 0.76 /km  
: outer conductor : ≤ 0.6 /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	0.28	0.48	0.90	1.61	2.05	2.37	3.00	3.17	4.10	4.57	4.90
Power (Watt) - 40°C ambient temperature Inner conductor 100°C	40610	23140	12350	6850	5480	4670	3710	3490	2750	2470	2310



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