



## Lågförlustkoax Flexibel

**Acome M2934Z 50 Ω 3/8"**

Black Polyethylene Jacket



**1 - Inner Conductor** : Annealed copper wire  
Diameter : 3.3 +/-0.05 mm

**2 - Dielectric** : Cellular Polyethylene  
Diameter : 8.30 +/- 0.20 mm  
Eccentricity : < 2%

**3 - Outer Conductor** : Annularly corrugated copper tube  
Diameter over outer conductor : 9.50 +/- 0.2 mm  
Diameter outside bottom : 8.60 +/- 0.2 mm  
Section length : 4.0 +/- 0.05 mm

**4 - Jacket** : Black Polyethylene  
Diameter : 11.5 +/- 0.30 mm

### Mechanical characteristics

Packaging : ABE 500 meters  
Weight approx. : 185 kg/km  
Installation temperature range : -25°C / +60°C  
Operating temperature range : -40°C / + 85°C  
Halogen content : IEC 754-1

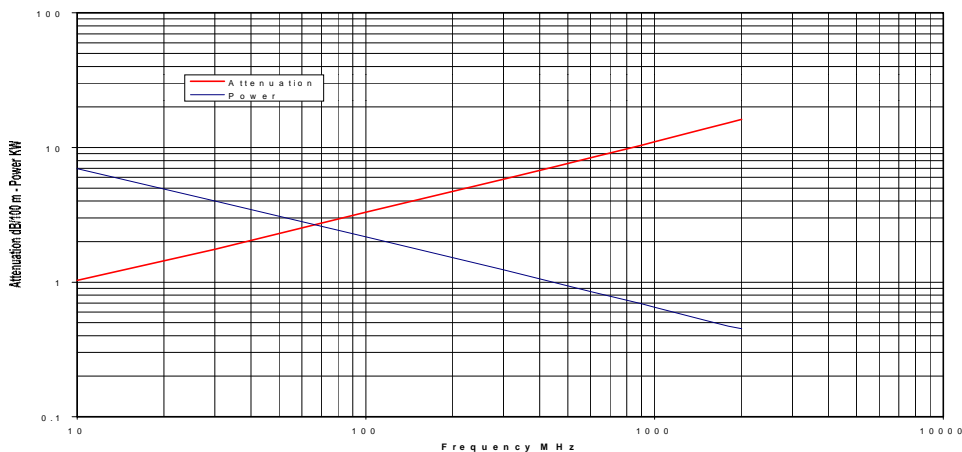
Installation Bending Radius : 50 mm - Min.  
Operating Bending Radius : 120 mm - Min.  
Tensile Strength : 700N - Max.

### 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 : 86%, Dielectric constant : 1.35

Operating frequency : 12 GHz  
Peak power rating : 12.8 KW  
Operating voltage : 1.13 KV RMS  
Test voltage : 2.3 KV RMS  
Insulation Resistance : > 10000 M .km  
DC Resistance: inner conductor :  $\leq 2.1$  /km  
: outer conductor :  $\leq 2.2$  /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                                 | 1.03 | 1.75 | 3.30 | 5.80 | 7.20 | 8.40 | 10.4 | 11.0 | 13.8 | 15.2 | 16.15 |
| Power (Watt) - 40°C ambient temperature<br>Inner conductor : 100 °C | 6960 | 4000 | 2170 | 1230 | 990  | 850  | 690  | 650  | 522  | 470  | 450   |



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