



## Lågförlustkoax Superflexibel

**Acome M2935Z 50 Ω 3/8"**

Flame retardant Low Smoke Zero Halogen Jacket



**1 - Inner Conductor** : Copper-clad aluminum  
Diameter :  $2.80 \pm 0.05$  mm

**2 - Dielectric** : Cellular Polyethylene  
Diameter :  $6.9 \pm 0.20$  mm  
Eccentricity : < 2%

**3 - Outer Conductor** : Helically corrugated copper tube  
Diameter over outer conductor :  $9.5 \pm 0.2$  mm  
Diameter inside bottom :  $6.5 \pm 0.20$  mm  
Section length :  $2.75 \pm 0.10$  mm

**4 - Jacket** : Low Smoke Zero Halogen compound

### Mechanical characteristics

Packaging : ABE 500 meters  
Weight approx. : 176 kg/km  
Fire resistance : IEC 332-1 / IEC 332-3A  
Smoke toxicity : IEC 754-2 / NFC 20-454  
Smoke density : IEC 1034

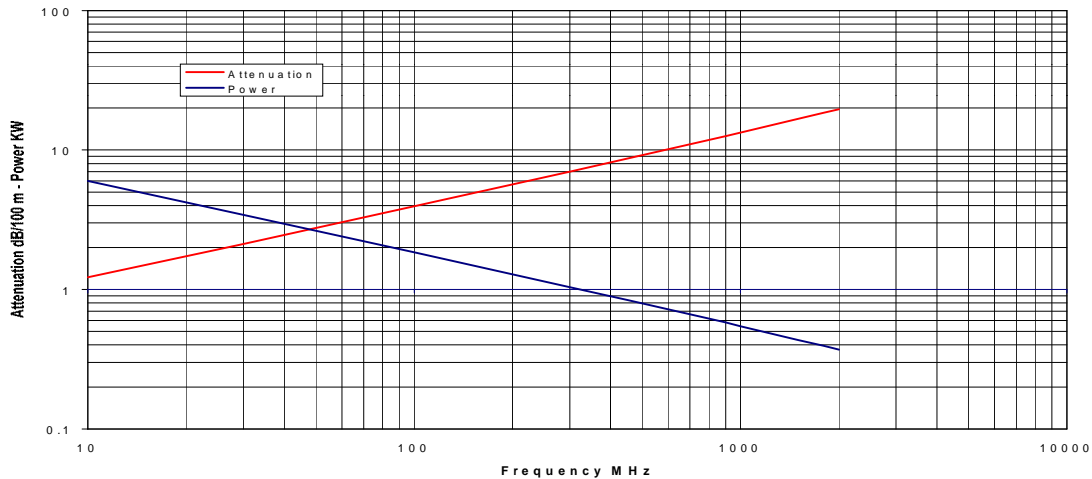
Installation Bending Radius : 30 mm - Min.  
Operating Bending Radius : 45 mm - Min  
Tensile Strength : 250 N - Max.  
Installation temperature range :  $-20^{\circ}\text{C} / + 65^{\circ}\text{C}$   
Operating temperature range :  $-40^{\circ}\text{C} / + 85^{\circ}\text{C}$   
Bending moment : 3.4 Nm

### Electrical characteristics

Impedance :  $50 \pm 1.5$   
Capacitance :  $80 \pm 1.5$  pF/m  
Return Loss : **mini 26 dB** from 880 to 960 MHz  
**mini 23 dB** from 1710 to 1880 MHz  
Velocity:83%, Dielectric constant 1.45, typical values

Operating frequency : 12 GHz  
Peak power rating : 8.6 KW  
Operating voltage : 0.9 KV RMS  
Test voltage : 2 KV RMS  
Insulation resistance : > 10000 M .km  
DC Resistance: inner conductor :  $\leq 2.90$  /km  
: outer conductor :  $\leq 2.75$  /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                                 | 1.22 | 2.12 | 3.95 | 7.0  | 8.70 | 10.15 | 12.6 | 13.35 | 16.70 | 18.50 | 19.60 |
| Power (watt) - 40°C ambient temperature<br>Inner conductor : 100 °C | 6000 | 3440 | 1850 | 1040 | 840  | 720   | 580  | 545   | 435   | 395   | 370   |

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