



## Lågförlustkoax Flexibel

**Acome M2932Z 50 Ω 1/4"**

Flame retardant Low Smoke Zero Halogen Jacket



**1 - Inner Conductor** : Annealed copper wire

**2 - Dielectric** : Cellular Polyethylene  
Diameter :  $6.4 \pm 0.20$  mm

**3 - Outer Conductor** : Annularly corrugated copper tube  
Diameter over outer conductor :  $7.6 \pm 0.2$  mm  
Diameter outside bottom :  $6.5 \pm 0.2$  mm  
Section length :  $4.0 \pm 0.05$  mm

**4 - Jacket** : Low Smoke Zero Halogen compound  
Diameter :  $9.50 \pm 0.3$  mm

### Mechanical characteristics

Packaging : ABE 500 meters  
Weight approx.: 145 kg/km  
Fire resistance : IEC 332-1 / IEC 332-3A  
Smoke toxicity : IEC 754-2 / NF C 20-454  
Smoke density : IEC 1034

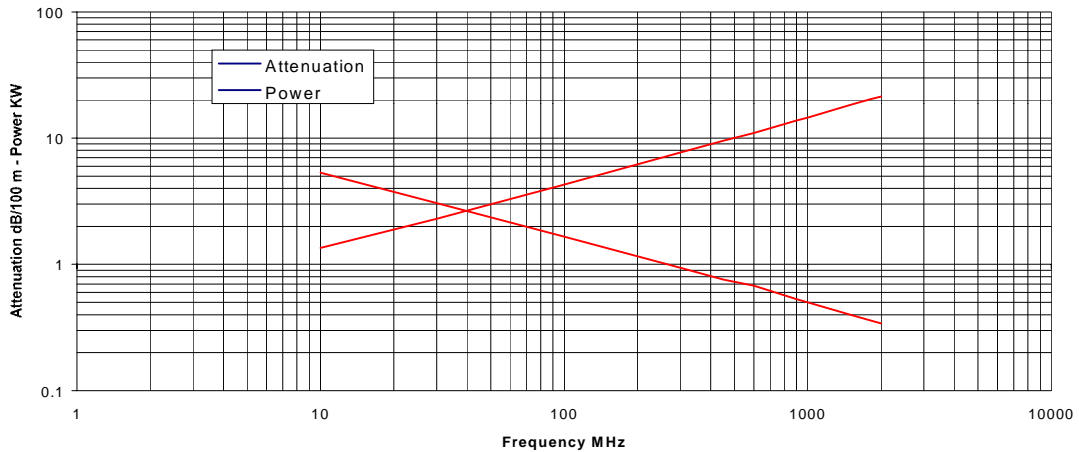
Installation Bending Radius : 40 mm - Min.  
Operating Bending Radius : 100 mm - Min  
Tensile Strength : 500 N - Max  
Installation temperature range :  $-20^{\circ}\text{C} / + 65^{\circ}\text{C}$   
Operating temperature range :  $-40^{\circ}\text{C} / + 85^{\circ}\text{C}$

### Electrical characteristics

Impedance :  $50 \pm 1$   
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 : 84%, Dielectric constant : 1.42

Operating frequency : 15 GHz  
Operating voltage : 0.87 KV RMS  
Peak power rating : 7.5 KV RMS  
Testvoltage : 1.8 KV RMS  
Insulation Resistance :  $> 10000$  M .km  
DC Resistance: inner conductor :  $\leq 3.6$  /km  
: outer conductor :  $\leq 3.7$  /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	1.35	2.30	4.30	7.70	9.55	11.0	13.80	14.55	18.40	20.30	21.40
Power (Watt) - 40°C ambient temperature Inner conductor : 100 °C	5340	3060	1666	940	760	680	530	500	400	360	340



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