



## Lågförlustkoax Flexibel

**Acome M2940Z 50 Ω 1-5/8"**

Flame retardant Low Smoke Zero Halogen Jacket



- 1 - Inner Conductor** : Helically corrugated copper tube  
Diameter :  $17.3 \pm 0.2$  mm
- 2 - Dielectric** : Cellular Polyethylene  
Diameter :  $42.0 \pm 0.20$  mm  
Eccentricity : < 4%
- 3 - Outer Conductor** : Annularly corrugated copper tube  
Diameter over outer conductor :  $46.2 \pm 0.3$  mm  
Diameter outside bottom :  $42.0 \pm 0.3$  mm
- 4 - Jacket** : Low smoke Zero Halogen compound  
Diameter :  $50.0 \pm 0.5$  mm

Section length : 10.0 ±

### Mechanical characteristics

Packaging: HBE 500 meters  
Weight approx. : 1600 kg/km  
Fire resistance : IEC 332-1 / IEC 332-3A  
Smoke toxicity : IEC 754-2 / NFC 20-454  
Smoke density : IEC 1034

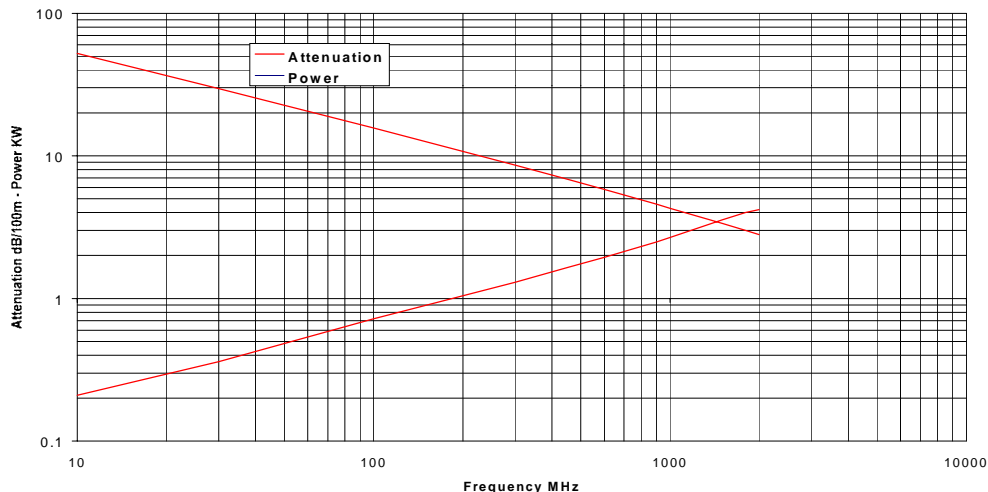
Installation Bending Radius : 300 mm - Min.  
Operating Bending Radius : 600 mm - Min.  
Tensile Strength : 2000 N - Max.  
Installation temperature range:  $-25^{\circ}\text{C} / + 60^{\circ}\text{C}$   
Operating temperature range:  $- 40^{\circ}\text{C} / + 85^{\circ}\text{C}$

### Electrical characteristics

Impedance :  $50 \pm 1$   
Capacitance :  $77.5 \pm 1.5$  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  
Peak voltage rating : 306 KW  
Operating voltage : 5.4 KV RMS  
Test voltage : 11 KV RMS  
Insulation Resistance : > 10000 M .km  
DC Resistance: inner conductor :  $\leq 0.70$  /km  
: outer conductor :  $\leq 0.40$  /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	0.21	0.36	0.72	1.30	1.65	1.95	2.50	2.68	3.55	4.0	4.20
Power (Watt) - Typical values at 40°C ambient temperature	52230	29640	15710	8620	6850	5810	4580	4300	3360	3000	2810

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