



## Lågförlustkoax Superflexibel

**Acome M2830Z 50 Ω 1/2"**

Flame retardant Low Smoke Zero Halogen Jacket



**1 - Inner Conductor** : Copper-clad aluminum

Diameter :  $3.6 \pm 0.05$

**2 - Dielectric** : Cellular Polyethylene

Diameter :  $8.70 \pm 0.20$  mm

Eccentricity :  $< 2\%$

**3 - Outer Conductor** : Helically corrugated copper tube

Diameter over outer conductor :  $12.10 \pm 0.15$  mm

Diameter inside bottom :  $8.60 \pm 0.15$  mm

Section length :  $3.0 \pm 0.05$  mm

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

Diameter :  $13.4 \pm 0.2$  mm

### Mechanical Characteristics

Packaging : BBE 500 meters

Weight approx. : 240 kg/km

Fire resistant : IEC 332-1 / IEC 332-3A

Smoke toxicity : IEC 754-2 / NFC 20-454

Smoke density : IEC 1034

Bending moment at  $90^\circ$  : 4.8 Nm

Installation Bending Radius : 35 mm - Min

Operating Bending Radius : 50 mm - Min

Tensile Strength : 700 N - Max

Tensile Strength of the cable assembly : 300 N

Operating temperature range :  $-40^\circ\text{C}/+ 85^\circ\text{C}$

### Electrical Characteristics

Impedance :  $50 \pm 1.5$

Capacitance :  $79.5 \pm 1.5$  pF/m

Return Loss : **mini 26 dB** from 880 to 960 MHz

**mini 23 dB** from 1710 to 1880 Mhz

Velocity:84%, Dielectric constant:1.42

Operating frequency : 10 GHz

Peak power rating : 16 KW

Operating voltage : 1.27 KV RMS

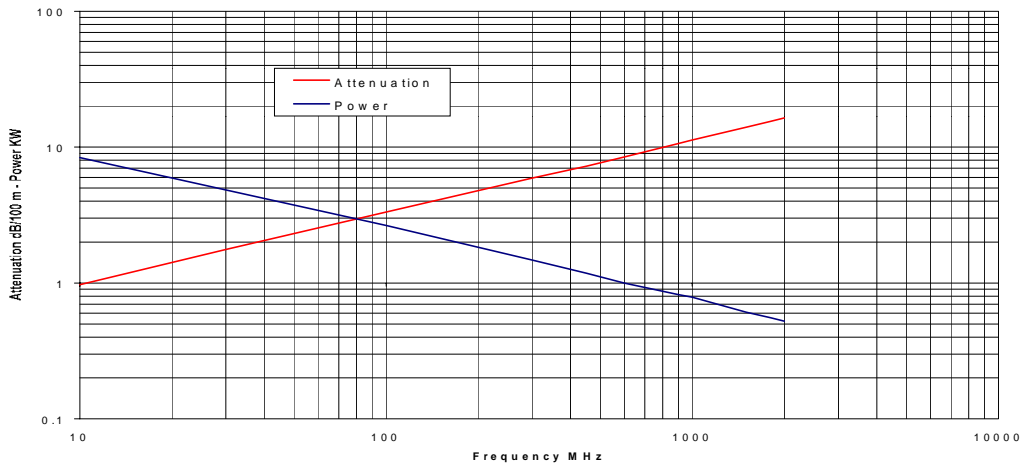
Test voltage : 2.6 KV RMS

Insulation Resistance :  $> 10000$  M $\cdot$ km

DC Resistance: inner conductor :  $\leq 2.90$  /km

: outer conductor :  $\leq 2.80$  /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	0.97	1.77	3.33	5.92	7.25	8.45	10.65	11.31	14.05	15.48	16.43
Power (Watt) - Typical values at 40°C ambient temperature	8400	4850	2650	1480	1180	1000	820	785	610	555	525

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