

## 301-KAPM-060



**Radiation resistant cable High flexible for medium current application**

**Up to 300°C**

**This cable is the most commonly used size, it is easy to handle, robust and has electrical data, which fits most applications**

Conductor:

Silver plated copper conductor, multi strand  
19 x 0.127mm

24AWG 19/36

Diameter

0.64mm

Area

0.241mm<sup>2</sup>

Resistivity @20°C

79,7 Ohm/km

Insulation

Kapton

Total Diameter

0.84 mm (+/- 0.1)

Voltage rating

7.5KV DC (in vacuum)

Disruptive discharge Voltage

>14 KV DC

Max. temperature

300°C

Radiation resistant up to

1000 Mrad

Weight

~ 3 g/m

Vacuum Level

typ. 10<sup>-12</sup>mbar is achievable

Typical values for current

Room Temperature ~ 3A

up to 250°C ~ 2.7A

up to 280°C ~ 1.9 A

up to 290°C ~ 1.5A

The maximum current is dependant on the installation, above values are typical calculated values for single wires, not covered.

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