

301-KAPM-025-SMALL



Radiation resistant cable High flexible for low current application

Up to 300°C

Special version of the 301-KAPM-025 wire with reduced insulation thickness and smaller outer diameter

All KAP-301 cables are halogen free.

Conductor:

Silver plated copper conductor, multi strand
7 x 0.08 mm

32AWG 7/40

Diameter

0.24 mm

Area

0.035 mm²

Resistivity @20 °C

548 Ohm/km

Insulation

Kapton

Total Diameter

0.39 mm (+/-0.05)

Voltage rating

4KV DC (in vacuum)

Disruptive discharge Voltage

>7.5 KV DC

Temperature range

4 K to 300 °C

Radiation resistant up to

1000 Mrad

Weight

~ 0.6 g/m

Vacuum Level

typ. 10⁻¹² mbar is achievable

Typical values for current

Room Temperature ~ 0.5 A

up to 250 °C ~ 0.4 A

up to 280 °C ~ 0.3 A

up to 290 °C ~ 0.2 A

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

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