

301-KAPM-025



**Radiation resistant cable High flexible for low current application
Up to 300°C
This cable has a good size for sensors (like PT100) and is easy to handle**

Conductor: Silver plated copper conductor, multi strand 7 x 0.08mm	32AWG 7/40
Diameter	0.24mm
Area	0.035mm ²
Resistivity @20°C	548 Ohm/km
Insulation	Kapton
Total Diameter	0.5mm (+/- 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	~ 0.6 g/m
Vacuum Level	typ. 10 ⁻¹² mbar is achievable

Typical values for current

Room Temperature	~ 0.5A
up to 250°C	~ 0.4A
up to 280°C	~ 0.3 A
up to 290°C	~ 0.2A

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

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