

301-KAP1



Radiation resistant cable for low current application
Up to 300°C
One of the first Kapton insulated wires, now in improved quality.

Conductor:	
Silver plated copper conductor, single strand	
1 x 0.25mm	30AWG
Diameter	0.25mm
Area	0.049mm ²
Resistivity @20°C	360 Ohm/km
Insulation	Kapton
Total Diameter	0.54mm (+/- 0.05)
Voltage rating	7.5KV DC (in vacuum ^{*)} @ RT)
Disruptive discharge Voltage	>=14 KV DC
Max. temperature	300°C
Radiation resistant up to	1000 Mrad
Weight	~ 0.68 g/m
Vacuum Level	typ. 10 ⁻¹² mbar is achievable

Typical values for current

Room Temperature	~ 0.6A
up to 250°C	~ 0.5A
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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^{*)}Vacuum <1x10⁻³mbar