

301-KAPM-060
Radiation Resistant Cable



Highly flexible for medium current applications 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 ²
Resistivity @20°C	79,7 Ohm/km
Insulation	Kapton
Total Diameter	~ 0.75 mm
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 ⁻¹² 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 dependent on the installation, above values are typical calculated values for single wires, not covered.

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