

301-KAPM-410



**Radiation resistant flexible cable for high current and high voltage in vacuum
Up to 300°C**

Conductor:	
Silver plated copper conductor, multi strand 133 x 0.287mm (= 133x AWG29),	8 AWG 133/29
Diameter	4.1mm
Conducting area	8.4mm ²
Resistivity @20°C	2.16 Ohm/km
Insulation	Kapton
Total Diameter	4.8mm (+/- 0.2)
Voltage rating	15KV DC (in vacuum)
Disruptive discharge Voltage	>20 KV DC
Max. temperature	300°C
Radiation resistant up to	1000 Mrad
Weight	~80g/m
Min. bend radius	55mm
Vacuum Level	typ. 10 ⁻¹² mbar is achievable

Typical values for current

Room Temperature	~70A (~10W/m)
up to 250°C	~63A
up to 280°C	~45A
up to 290°C	~35A

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

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