

301-KAPM-075



Radiation resistant cable High flexible for medium current application

Up to 300°C

This cable is recommended to use with High Density Sub-D connectors, it is the thickest possible cable for these pins

Conductor:

Silver plated copper conductor, multi strand
19 x 0.15mm

~21AWG 19/34

Diameter

0.75mm

Area

0.336mm²

Resistivity @20°C

57.1 Ohm/km

Insulation

Kapton

Total Diameter

0.95 mm (+/- 0.15)

Voltage rating

7.5KV DC (in vacuum)

Disruptive discharge Voltage

>14 KV DC

Max. temperature

300°C

Radiation resistant up to

1000 Mrad

Weight

~ 3.6 g/m

Vacuum Level

typ. 10⁻¹²mbar is achievable

Typical values for current

Room Temperature ~ 5A

up to 250°C ~ 4.5A

up to 280°C ~ 3.2 A

up to 290°C ~ 2.5A

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

Kapton is a registered trademark of E. I. Du Pont de Nemours and Company