

301-KAPM-060-PAIR1

**KAP
301**

**Radiation resistant twisted pair cable, screened with outer insulation
Up to 300°C
This cable is ideal for signal applications and medium power use**

Conductor:	
Silver plated copper conductor, multi strand	
2 conductors 19 x 0.127mm	24AWG 19/36
Conductor Diameter	0.64mm
Area	0.24mm ²
Resistivity @20°C	79.7 Ohm/km
Twisted Pair, one wire marked with glass yarn	~20mm lay
Insulation	Kapton
Overall Diameter	2.24 mm
Diameter without screen	~1.7mm
Screen: Silver plated copper, coverage	>85%
Voltage rating	7.5KV DC (in vacuum)
Max. temperature	300°C
Weight	10,5 g/m
Vacuum Level	typ. 10 ⁻¹² mbar is achievable
Capacitance (Conductor-Conductor)	~128 pF/m
(Conductor-Screen)	~215 pF/m
Impedance	~66 Ohm (calculated value)

Typical values for current

Room Temperature	~ 2.5A
up to 250°C	~ 2.3A
up to 280°C	~ 1.6A
up to 290°C	~ 1.2A

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

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Conductors, the right one is marked with glass yarn