

301-KAP-RIB4 / 301-KAP-RIB10 / 301-KAP-RIB15 / 301-KAP-RIB26



**Radiation resistant ribbon cable with 4 / 10 / 15 / 26 wires
Up to 260°C**

Conductor:

Silver plated copper conductor, multi strand

7 x 0.12mm

Diameter

Area

Resistivity @20°C

Insulation

Total Diameter

Voltage rating

Disruptive discharge Voltage

Max. temperature

Radiation resistant up to

Vacuum Level

~28AWG 7/36

0.35mm

0.08mm²

225 Ohm/km

Kapton

~ 0.5 mm

1KV DC (7.5KV*)

>14 KV DC

260°C

1000 Mrad

typ. 10⁻¹²mbar is achievable

Ribbon

Binding material

Height of ribbon tape

Width and weight of ribbon tape

4 wire

10 wire

15 wire

26 wire

PEEK

~1.8mm

~ 6mm

~11mm

~15mm

~25.5mm

5mm

~ 7g/m

~15g/m

~23g/m

~39g/m

Minimum bend radius

*) Voltage rating: For ribbon cables, the typical application is multi-pin feedthroughs (e.g. Sub-D), so the limiting factor is the distance of the pins at the end of the cable and not the cable itself. For these applications the typical max. voltage is 1000V

Typical values for current

Room Temperature ~ 1A

up to 250°C ~ 0.9A

up to 260°C ~ 0,6 A

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

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All data given in this sheet are carefully checked but subject to change at any time.