

301-KAP-TCN



Radiation resistant thermocouple wire Type N Up to 300°C including insulation

Conductor: Thermocouple material, Type N, "Nicrosil / Nisil" 2 x 0.25mm		~2x AWG30
Diameter single conductor with insulation	(+)	0.40mm (with fibreglass tracer)
	(-)	0.35mm
Diameter of pair		0.75mm
Total Diameter of twisted pair wire, with add. outer insulation		0.95 mm
Area		0.05mm ²
Resistivity @20°C	(+)	19.7 kOhm/km nom.
	(-)	7450 Ohm/km nom.
Insulation		Kapton (PFAS free)
Disruptive discharge Voltage		>12 KV DC
Max. temperature (insulation)		300°C
Radiation resistant up to		1000 Mrad
Weight		1.6 g/m
Vacuum Level		typ. 10 ⁻¹² mbar is achievable
Measurement range		-270 ... +1300°C
Thermoelement class		Class 1 (DIN / IEC 584) +/- 1.5K (@ -40...375°C) +/- 0.004 x t (@ 375...750°C)

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