

310-PEEKM-035

Radiation resistant cable PEEK insulated with very high insulation resistivity

Conductor:	
Silver plated copper conductor, multi strand 7 x 0.12mm	~28AWG 7/36
Diameter	0.35mm
Area	0.08mm ²
Resistivity @20°C	225 Ohm/km
Insulation	PEEK (unfilled)
Total Diameter	0,71mm
Voltage rating	7.5KV DC (in vacuum @ RT) ~1KV DC for temp, >200°C
Disruptive discharge Voltage	>20KV DC
Max. temperature	250°C (>10.000h)
Insulation resistivity	>20GOhm/m @ 5KVDC, >5GOhm/m @ 10KVDC, > 2GOhm/m @ 15KVDC (RT)
Radiation resistant up to	1000 Mrad = 10 ⁷ Gy
Weight	1.3g/m
Vacuum Level	typ. 10 ⁻¹² mbar is achievable

Typical values for current

Room Temperature	~ 1A
up to 200°C	~ 0.9A
up to 230°C	~ 0,6 A
up to 240°C	~ 0.5A

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