GVL Cryoengineering
Dr. George V. Lecomte GmbH
Meß-, Regel- und Kryotechnik

Specific resistances of some wires for low temperature applications

GVLZ001	Manganin©-wire 0.03 mm diameter	635.	ohm/m
GVLZ002	Manganin©-wire 0.05 mm diameter	218.	ohm/m
GVLZ003	Manganin©-wire 0.1 mm diameter	54.2	ohm/m
GVLZ149	Manganin©-wire 0.127 mm diameter, ML insulated	34.2	ohm/m
GVLZ004	Manganin©-wire 0.14 mm diameter	28.2	ohm/m
GVLZ005	Manganin©-wire 0.2 mm diameter	14.5	ohm/m
GVLZ006	Manganin©-wire 0.27 mm diameter	7.2	ohm/m
GVLZ150	Manganin©-wire 0.5 mm diameter	2.25	ohm/m
GVLZ007	Manganin©-wire 0.56 mm diameter	1.8	ohm/m
GVLZ050	Brass-wire 0.10 mm diameter	8.1	ohm/m
GVLZ029	Brass-wire 0.112 mm diameter	6.85	ohm/m
GVLZ151	Constantan-wire 0.10 mm diameter	64.	ohm/m
GVLZ087	Constantan-wire 0.224 mm diameter	12.8	ohm/m
GVLZ094	NiCr80-wire 0.1 mm diameter	130.	ohm/m
GVLZ092	NiCr80-wire 0.2 mm diameter	34.	ohm/m
GVLZ095	NiCr60-wire 0.06 mm diameter	379.	ohm/m
GVLZ104	Phosphor-Bronze wire 0.1 mm diameter, ML insulated	14.	ohm/m
GVLZ193	Phosphor-Bronze wire 0.127 mm diameter, ML insulated	7.9	ohm/m
GVLZ093	Manganin©-wire 0.1 mm diameter, uninsulated	53.6	ohm/m
GVLZ146	Brass-wire 0.10 mm diameter, uninsulated	8.1	ohm/m
GVLZ166	Brass-wire 0.050 mm diameter, uninsulated	33.5	ohm/m
GVLZ008	Copper wire 0.050 mm diameter	8.8	ohm/m
GVLZ103	Copper wire 0.100 mm diameter, A200 insulated	2.2	ohm/m
GVLZ062	Copper wire 0.150 mm diameter, A200 insulated	0.99	ohm/m
GVLZ175	Copper wire 0.280 mm diameter	0.28	ohm/m
GVLZ063	Copper wire 0.750 mm diameter	0.04	ohm/m
GVLZ064	Copper wire 1.00 mm diameter	0.023	ohm/m

Actual resistance values measured at room temperature (~293K). The numbers for a particular wire might differ slightly depending on the fabrication batch.

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