

GVL Cryoengineering

Dr. George V. Lecomte GmbH

Meß-, Regel- und Kryotechnik

EXCERPT FROM THE PRODUCT LIST

"CRYOGENIC ACCESSORIES"

August 2017, Page 1

Low temperature and vacuum greases

1	GVLZ079	Apiezon "N" grease (low temperatures)	25g Tube
2	GVLZ080	Apiezon "M" grease (high vacuum)	100g Tube
3	GVLZ181	Apiezon "H" grease (high temperatures)	25g Tube
4	GVLZ128	Dow Corning vacuum grease (high vacuum)	50g Tube

Low temperature glue or varnish

Note: Most chemicals require special shipment (hazardous goods) - please inquire

5	GVLZ056	"IMI 7031" ¹ insulating varnish	100ml bottle
6		"IMI 7031" ¹ insulating varnish	250ml bottle
7		"IMI 7031" ¹ insulating varnish	500ml bottle
8	GVLZ076	"Stycast 2850FT", with hardener	1kg package
9	GVLZ077	"Stycast 1266", A und B	1kg package
10	GVLZ097	"Armstrong Al2", epoxy with hardener	55g + 45g package

Conducting varnish

11	GVLZ054	Silver-based Epoxy-coating Elekolit 336	50g-package
12	GVLZ055	Silver-based Epoxy-coating Elekolit 342	3g-package

Adhesive tape

13	GVLZ059	Aluminum tape, 81µm thick, conductive, 19.1mm	16.5m
14	GVLZ060	Aluminum tape, 81µm thick, conductive, 25.4mm	16.5m
15	GVLZ057	Aluminized polyester, non conductive, 19.1mm	66m
16	GVLZ058	Aluminized polyester, non conductive, 25.4mm	66m

Sealing tape

17	GVLZ202	PTFE sealing band, .1mm thick, 12mm wide, white, DVDW approved	12m
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Resistance wire (varnish insulated)

18	GVLZ001	Manganin®-wire 0.03 mm diameter	100m spool
19		Manganin®-wire 0.03 mm diameter	500m spool
20	GVLZ002	Manganin®-wire 0.05 mm diameter	100m spool
21		Manganin®-wire 0.05 mm diameter	500m spool
22	GVLZ003	Manganin®-wire 0.1 mm diameter	100m spool
23		Manganin®-wire 0.1 mm diameter	500m spool
24	GVLZ149	Manganin®-wire 0.127 mm diameter, ML insulated	100m spool
25		Manganin®-wire 0.127 mm diameter, ML insulated	500m spool
26	GVLZ004	Manganin®-wire 0.14 mm diameter	100m spool
27		Manganin®-wire 0.14 mm diameter	500m spool
28	GVLZ005	Manganin®-wire 0.2 mm diameter	100m spool
29		Manganin®-wire 0.2 mm diameter	500m spool
30	GVLZ006	Manganin®-wire 0.27 mm diameter	100m spool
31		Manganin®-wire 0.27 mm diameter	500m spool
32	GVLZ150	Manganin®-wire 0.5 mm diameter, A200 insulated	100m spool
33		Manganin®-wire 0.5 mm diameter, A200 insulated	500m spool
34	GVLZ007	Manganin®-wire 0.56 mm diameter	100m spool
35	GVLZ050	Brass-wire 0.10 mm diameter, A200 insulated	100m spool
36		Brass-wire 0.10 mm diameter, A200 insulated	250m spool
37		Brass-wire 0.10 mm diameter, A200 insulated	500m spool
38	GVLZ029	Brass-wire 0.112 mm diameter	100m spool
39		Brass-wire 0.112 mm diameter	250m spool
40		Brass-wire 0.112 mm diameter	500m spool
41	GVLZ151	Constantan-wire 0.10 mm diameter	100m spool
42		Constantan-wire 0.10 mm diameter	250m spool
43		Constantan-wire 0.10 mm diameter	500m spool
44	GVLZ087	Constantan-wire 0.224 mm diameter	100m spool
45		Constantan-wire 0.224 mm diameter	250m spool
46		Constantan-wire 0.224 mm diameter	500m spool
47	GVLZ094	NiCr80-wire 0.1 mm diameter	100m spool
48		NiCr80-wire 0.1 mm diameter	250m spool
49		NiCr80-wire 0.1 mm diameter	500m spool

Other diameters and lengths on request

1 formerly known as GE-7031 Insulating Varnish

All prices are understood from Stolberg, Germany, packing, shipping and all taxes, if applicable, are additional - This product list voids and replaces all earlier versions.

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EXCERPT FROM THE PRODUCT LIST

"CRYOGENIC ACCESSORIES"

August 2017, Page 2

Resistance wire (varnish insulated)

50	GVLZ092	NiCr80-wire 0.2 mm diameter	100m spool
51		NiCr80-wire 0.2 mm diameter	500m spool
52	GVLZ095	NiCr60-wire 0.06 mm diameter	100m spool
53	GVLZ104	Phosphor-Bronze wire 0.1 mm diameter, ML insulated	100m spool
54	GVLZ193	Phosphor-Bronze wire 0.127 mm diameter, ML insulated	100m spool

Resistance wire, varnish insulated, as twisted pair

55	GVLZ190	Phosphor-Bronze wire 0.127 mm diameter, ML insulated	50m spool
56		Phosphor-Bronze wire 0.127 mm diameter, ML insulated	100m spool

Resistance wire, varnish insulated, as quad (double twisted pairs)

	GVLZ201	Manganin®-wire 0.127 mm diameter, ML insulated	
57		With Kapton outer insulation	50m spool
58		With Kapton outer insulation	100m spool
59	GVLZ208	Phosphor-Bronze wire 0.127 mm diameter, ML insulated	50m spool
60		Phosphor-Bronze wire 0.127 mm diameter, ML insulated	100m spool

Resistance wire (uninsulated)

61	GVLZ093	Manganin®-wire 0.1 mm diameter	100m spool
62	GVLZ112	CuNi6-wire 0.4 mm diameter	100m spool
63	GVLZ172	CuNi15-wire 0.050 mm diameter	100m spool
64		CuNi15-wire 0.050 mm diameter	500m spool
65	GVLZ146	Brass-wire 0.10 mm diameter	200m spool
66		Brass-wire 0.10 mm diameter	500m spool
67	GVLZ166	Brass-wire 0.050 mm diameter	100m spool
68		Brass-wire 0.050 mm diameter	500m spool

Copper wire (varnish insulated)

69	GVLZ008	Copper wire 0.050 mm diameter	100m spool
70		Copper wire 0.050 mm diameter	250m spool
71		Copper wire 0.050 mm diameter	500m spool
72	GVLZ103	Copper wire 0.100 mm diameter, A200 insulated	250m spool
73		Copper wire 0.100 mm diameter, A200 insulated	500m spool
74	GVLZ062	Copper wire 0.150 mm diameter, A200 insulated	250m spool
75		Copper wire 0.150 mm diameter, A200 insulated	500m spool
76	GVLZ175	Copper wire 0.280 mm diameter	100m spool
77	GVLZ063	Copper wire 0.750 mm diameter	50m spool
78		Copper wire 0.750 mm diameter	100m spool
79	GVLZ064	Copper wire 1.00 mm diameter	25m spool
80		Copper wire 1.00 mm diameter	50m spool

Other diameters and lengths on request

Superconducting wire : NbTi in copper-nickel matrix

	GVLZ113	NbTi core in Cu-Ni matrix, Formvar insulated,	
81		metal diameter: 0.05 mm	20m-Spool
82		metal diameter: 0.05 mm	50m-Spool
	GVLZ016	NbTi core in Cu-Ni matrix, Formvar insulated,	
83		metal diameter: 0.06 mm	20m-Spool
84		metal diameter: 0.06 mm	50m-Spool
	GVLZ136	NbTi core in Cu-Ni matrix, bare (uninsulated),	
85		metal diameter: 0.1 mm	20m-Spool
86		metal diameter: 0.1 mm	50m-Spool
	GVLZ017	NbTi core in Cu-Ni matrix, Formvar insulated,	
87		metal diameter: 0.1 mm	20m-Spool
88		metal diameter: 0.1 mm	50m-Spool
	GVLZ018	NbTi core in Cu-Ni matrix, HML insulated,	
89		metal diameter: 0.1 mm	20m-Spool
90		metal diameter: 0.1 mm	50m-Spool
	GVLZ133	NbTi core in Cu-Ni matrix, MW35c insulated,	
91		metal diameter: 0.1 mm	20m-Spool
92		metal diameter: 0.1 mm	50m-Spool
	GVLZ145	NbTi core in Cu-Ni matrix, Teflon FEP insulated,	
93		metal diameter: 0.1 mm, insulated diameter: .36 mm	20m-Spool
94		metal diameter: 0.1 mm, insulated diameter: .36 mm	50m-Spool

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"CRYOGENIC ACCESSORIES"

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Superconducting wire : NbTi in copper-nickel matrix

95	GVLZ019	NbTi core in Cu-Ni matrix, HML insulated, metal diameter: 0.13 mm	20m-Spool
96		metal diameter: 0.13 mm	50m-Spool
97	GVLZ020	NbTi core in Cu-Ni matrix, Formvar insulated, metal diameter: 0.25 mm	20m-Spool
98		metal diameter: 0.25 mm	50m-Spool

Superconducting wire : single NbTi filament

99	GVLZ009	NbTi wire, without matrix, bare (uninsulated), metal diameter: 0.025 mm	50m-Spool
100	GVLZ154	NbTi wire, without matrix, bare (uninsulated), metal diameter: 0.035 mm	50m-Spool
101	GVLZ096	NbTi wire, without matrix, Formvar insulated, metal diameter: 0.040 mm	20m-Spool
102	GVLZ010	NbTi wire, without matrix, Formvar insulated, metal diameter: 0.050 mm	20m-Spool
103	GVLZ182	NbTi wire, without matrix, Teflon PFA insulated, metal diameter: 0.050 mm	20m-Spool
104		metal diameter: 0.050 mm	50m-Spool
105	GVLZ184	NbTi wire, without matrix, Teflon PTFE insulated, metal diameter: 0.050 mm	20m-Spool
106		metal diameter: 0.050 mm	50m-Spool
107	GVLZ011	NbTi wire, without matrix, Formvar insulated, metal diameter: 0.075 mm	20m-Spool
108	GVLZ086	NbTi wire, without matrix, Teflon PFA insulated, metal diameter: 0.075 mm	20m-Spool
109	GVLZ111	NbTi wire, without matrix, bare (uninsulated) metal diameter: 0.125 mm	20m-Spool
110	GVLZ134	NbTi wire, without matrix, Formvar insulated, metal diameter: 0.125 mm	20m-Spool
111	GVLZ105	NbTi wire, without matrix, HML insulated, metal diameter: 0.125 mm	20m-Spool
112	GVLZ089	NbTi wire, without matrix, Formvar insulated, metal diameter: 0.17 mm	20m-Spool
113	GVLZ013	NbTi wire, without matrix, HML insulated, metal diameter: 0.25 mm	20m-Spool
114	GVLZ012	NbTi wire, without matrix, Teflon insulated, metal diameter: 0.25 mm	20m-Spool
115	GVLZ014	NbTi wire, without matrix, HML insulated, metal diameter: 0.5 mm	20m-Spool
116	GVLZ015	NbTi wire, without matrix, bare (uninsulated), metal diameter: 0.7 mm	50m-Spool
117	GVLZ152	NbTi wire, without matrix, HML insulated, metal diameter: 1.0 mm	

Superconducting wire : single NbTi filament in copper matrix

118	GVLZ021	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.025 mm	50m-Spool
119		metal diameter: 0.025 mm	100m-Spool
120	GVLZ022	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.050 mm	50m-Spool
121		metal diameter: 0.050 mm	100m-Spool
122	GVLZ091	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.075 mm	50m-Spool
123		metal diameter: 0.075 mm	100m-Spool
124	GVLZ174	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.079 mm	50m-Spool
125		metal diameter: 0.079 mm	100m-Spool

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Superconducting wire : single NbTi filament in copper matrix

126	GVLZ023	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.1 mm	50m-Spool
127		metal diameter: 0.1 mm	100m-Spool
128	GVLZ106	NbTi core in Cu matrix, HML insulated, metal diameter: 0.13 mm	100m-Spool
129		metal diameter: 0.13 mm	250m-Spool
130	GVLZ026	NbTi core in Cu matrix, insulated, metal diameter: 0.3 mm	50m-Spool
131		metal diameter: 0.3 mm	100m-Spool
132	GVLZ027	NbTi core in Cu matrix, bare (uninsulated), metal diameter: 0.4 mm	50m-Spool
133	GVLZ211	NbTi core in Cu matrix, Formvar insulated, metal diameter: 0.5 mm	50m-Spool
134		metal diameter: 0.5 mm	100m-Spool

Superconducting wire : others

135	GVLZ028	Multifilament NbTi in Cu matrix, Formvar insulated metal diameter: 0.114 mm	20m-Spool
136		metal diameter: 0.114 mm	50m-Spool
137	GVLZ170	Multifilament NbTi in Cu matrix, HML insulated metal diameter: 0.203 mm	20m-Spool
138		metal diameter: 0.203 mm	50m-Spool
139	GVLZ171	Multifilament NbTi in Cu matrix, Formvar insulated metal diameter: 0.203 mm	20m-Spool
140		metal diameter: 0.203 mm	50m-Spool
141	GVLZ098	Nb3Sn Wire in Cu-Ni Matrix, untreated, uninsulated, metal diameter: 0.13 mm	

Superconducting wire : single Nb filament

142	GVLZ164	Nb wire, without matrix, Formvar insulated, metal diameter: 0.125 mm	5m-Spool
143		metal diameter: 0.125 mm	20m-Spool
144	GVLZ194	Nb wire, without matrix, Polyimid insulated, metal diameter: 0.125 mm	5m-Spool
145		metal diameter: 0.125 mm	20m-Spool

Gold wire for contacting

146	GVLZ061	Au 99.9%, metal diameter: 25µm, uninsulated	5m-Spool
147		metal diameter: 25µm, uninsulated	10m-Spool

Low temperature coax cable, superconducting

Minimum order for each type: 10m

148	GVLZ137	Coax Cable, superconducting central conductor of NbTi in CuNi matrix, bare, outer shielding of braided CuNi single wire version	per meter
149	GVLZ032	Coax Cable, superconducting central conductor of NbTi in CuNi matrix, varnished, outer shielding of braided single wire version	CuNi per meter
150	GVLZ031	Coax Cable, superconducting central conductor of NbTi in CuNi matrix, outer shielding of braided CuNi twisted pair version	per meter
151	GVLZ030	Coax Cable, superconducting central conductor of NbTi in CuNi matrix, outer shielding of braided CuNi twisted triple wire version	per meter

Low temperature coax cable

Minimum order for each type: 10m

152	GVLZ036	Coax Cable, central conductor of brass, approx. 8ohm/m, outer shielding of braided CuNi single wire version	per meter
153	GVLZ034	Coax Cable, central conductor of brass, approx. 4ohm/m, outer shielding of braided CuNi single conductor (double strand) version	per meter

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Low temperature coax cable

Minimum order for each type: 10m

154	GVLZ189	Coax Cable, central conductor of brass, approx. 4ohm/m, outer shielding of braided CuNi, PE insulation single conductor (double strand low noise) version	per meter
155	GVLZ033	Coax Cable, central conductor of brass, approx. 8ohm/m, outer shielding of braided CuNi, twisted pair version, single Teflon sleeve	per meter
156	GVLZ141	Coax Cable, central conductor of brass, approx. 8ohm/m, outer shielding of braided CuNi, twisted pair version, each wire in own Teflon sleeve	per meter
157	GVLZ169	Coax Cable, central conductor of brass, approx. 8ohm/m, outer shielding of braided brass, twisted pair version, non magnetic, single Teflon sleeve	per meter
158	GVLZ185	Coax Cable, central conductor of Phosphor-Bronze, approx. 92ohm/m, outer shielding of braided brass, single wire, low noise version, graphite loaded sleeve	per meter
159	GVLZ081	Coax Cable, central conductor of copper, approx. 1ohm/m, outer shielding of braided CuNi, with outer Teflon insulation, twisted pair in single Teflon sleeve	per meter
160	GVLZ037	Shielding of braided CuNi alone, ~0.9mm dia.	per meter

Indium Wire

161	GVLZ117	Indium Wire, 99.99% Purity, 1,6mmØ	per Meter
162		Indium Wire, 99.99% Purity, 1,6mmØ	5m-Length
163	GVLZ052	Indium Wire, 99.99% Purity, 1mmØ	per Meter
164		Indium Wire, 99.99% Purity, 1mmØ	5m-Length
165	GVLZ053	Indium Wire, 99.9% Purity, 0.5mmØ	per Meter
166		Indium Wire, 99.9% Purity, 0.5mmØ	5m-Length

Indium Foil

167	GVLZ179	Indium Foil, 99.99% Purity, .1mm thick	100cm ²
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Silicate braided sleeves

	GVLZ099	High temperature insulating sleeve, inside diameter: 0.4 mm (o.d. 1mm)	per Meter
168		inside diameter: 0.4 mm (o.d. 1mm)	25m-Spool
169		inside diameter: 0.4 mm (o.d. 1mm)	
	GVLZ100	High temperature insulating sleeve, inside diameter: 1.6 mm (o.d. 2.4mm)	per Meter
170		inside diameter: 1.6 mm (o.d. 2.4mm)	20m-Spool
171		inside diameter: 1.6 mm (o.d. 2.4mm)	

PTFE insulating sleeves

172	GVLZ069	PTFE insulating sleeve, od 0.7mm id 0.3mm	10m-Spool
173	GVLZ070	PTFE insulating sleeve, od 0.7mm id 0.5mm	10m-Spool
174	GVLZ071	PTFE insulating sleeve, od 0.8mm id 0.5mm	10m-Spool
175	GVLZ072	PTFE insulating sleeve, od 0.8mm id 0.6mm	10m-Spool
176	GVLZ073	PTFE insulating sleeve, od 1.0mm id 0.7mm	10m-Spool
177	GVLZ074	PTFE insulating sleeve, od 1.0mm id 0.8mm	10m-Spool
178	GVLZ075	PTFE insulating sleeve, od 1.2mm id 1.0mm	10m-Spool
179	GVLZ090	PTFE insulating sleeve, od 1.6mm id 1.0mm	10m-Spool
180	GVLZ180	PTFE insulating sleeve, od 6.0mm id 2.0mm	10m-Spool

SQUID leads shielding sleeves

181	GVLZ051	Lead/Tin sleeve to shield SQUID leads	per Meter
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3He Gas

182	GVLZ101	3He for cryogenic applications in various quantities	
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Metal capillary tubing - copper

All the following copper capillaries are sold in fabrication lengths of ~3.0m - ~3.8m. They can be shipped in several pieces cut to the desired lengths.

183	GVLZ191	Copper capillary, od: 0.8mm; id: 0.4mm, in lengths of 2 - 3m,	per Meter
184	GVLZ187	Copper capillary, od: 0.8mm; id: 0.5mm, in lengths of 2 - 3m,	per Meter
185	GVLZ040	Copper capillary, od: 1.0mm; id: 0.25mm, in lengths of 2 - 3m,	per Meter
186	GVLZ161	Copper capillary, od: 1.5mm; id: 1.0mm, in lengths of 2 - 3m,	per Meter
187	GVLZ162	Copper capillary, od: 2.0mm; id: 1.5mm, in lengths of 2 - 3m,	per Meter

Metal capillary tubing - copper-nickel

All the following copper-nickel capillaries are sold in fabrication lengths of ~3.0m - ~3.8m. They can be shipped in several pieces cut to the desired lengths.

Alloy is german silver: CuNi18Zn20

188	GVLZ041	CuNi capillary, od: 0.3mm; id: 0.1mm,	per Meter
189	GVLZ142	CuNi capillary, od: 0.4mm; id: 0.1mm,	per Meter
190	GVLZ042	CuNi capillary, od: 0.4mm; id: 0.2mm,	per Meter
191	GVLZ065	CuNi capillary, od: 0.5mm; id: 0.2mm,	per Meter
192	GVLZ043	CuNi capillary, od: 0.5mm; id: 0.3mm,	per Meter
193	GVLZ088	CuNi capillary, od: 0.6mm; id: 0.3mm,	per Meter
194	GVLZ044	CuNi capillary, od: 0.7mm; id: 0.4mm,	per Meter
195	GVLZ078	CuNi capillary, od: 0.7mm; id: 0.5mm,	per Meter
196	GVLZ045	CuNi capillary, od: 0.8mm; id: 0.6mm,	per Meter
197	GVLZ107	CuNi capillary, od: 0.9mm; id: 0.5mm,	per Meter
198	GVLZ114	CuNi capillary, od: 0.9mm; id: 0.6mm,	per Meter
199	GVLZ168	CuNi capillary, od: 1.0mm; id: 0.5mm,	per Meter
200	GVLZ046	CuNi capillary, od: 1.0mm; id: 0.7mm,	per Meter
201	GVLZ143	CuNi capillary, od: 1.1mm; id: 0.9mm,	per Meter
202	GVLZ066	CuNi capillary, od: 1.2mm; id: 0.8mm,	per Meter
203	GVLZ047	CuNi capillary, od: 1.4mm; id: 1.0mm,	per Meter
204	GVLZ144	CuNi capillary, od: 1.4mm; id: 1.2mm,	per Meter
205	GVLZ067	CuNi capillary, od: 1.5mm; id: 1.0mm,	per Meter
206	GVLZ139	CuNi capillary, od: 1.9mm; id: 1.2mm,	per Meter
207	GVLZ108	CuNi capillary, od: 1.9mm; id: 1.5mm,	per Meter
208	GVLZ120	CuNi capillary, od: 2.0mm; id: 1.5mm,	per Meter
209	GVLZ068	CuNi capillary, od: 2.0mm; id: 1.6mm,	per Meter
210	GVLZ138	CuNi capillary, od: 2.2mm; id: 1.2mm,	per Meter
211	GVLZ109	CuNi capillary, od: 2.4mm; id: 2.0mm,	per Meter
212	GVLZ121	CuNi capillary, od: 2.5mm; id: 2.0mm,	per Meter
213	GVLZ186	CuNi capillary, od: 3.0mm; id: 2.0mm,	per Meter
214	GVLZ110	CuNi capillary, od: 3.0mm; id: 2.5mm,	per Meter
215	GVLZ048	CuNi capillary, od: 3.0mm; id: 2.6mm,	per Meter
216	GVLZ122	CuNi capillary, od: 3.5mm; id: 3.0mm,	per Meter
217	GVLZ123	CuNi capillary, od: 4.0mm; id: 3.5mm,	per Meter
218	GVLZ049	CuNi capillary, od: 4.0mm; id: 3.6mm,	per Meter
219	GVLZ131	CuNi capillary, od: 4.5mm; id: 4.0mm,	per Meter
220	GVLZ124	CuNi capillary, od: 5.0mm; id: 4.0mm,	per Meter
221	GVLZ125	CuNi capillary, od: 6.0mm; id: 5.0mm,	per Meter
222	GVLZ173	CuNi capillary, od: 6.0mm; id: 5.4mm,	per Meter
223	GVLZ115	CuNi capillary, od: 6.0mm; id: 5.5mm,	per Meter
224	GVLZ116	CuNi capillary, od: 7.0mm; id: 6.0mm,	per Meter
225	GVLZ126	CuNi capillary, od: 8.0mm; id: 7.0mm,	per Meter
226	GVLZ132	CuNi capillary, od: 12.0mm; id: 11.0mm,	per Meter
227	GVLZ206	CuNi capillary, od: 13.0mm; id: 12.0mm,	per Meter

All prices are understood from Stolberg, Germany, packing, shipping and all taxes, if applicable, are additional - This product list voids and replaces all earlier versions.

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Meß-, Regel- und Kryotechnik

EXCERPT FROM THE PRODUCT LIST

"CRYOGENIC ACCESSORIES"

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Bondable Terminals

228	GVLZ082	4 contact pairs, 2.7mm x 10.2mm	70pcs
229	GVLZ083	4 contact pairs, 3.4mm x 13.8mm	60pcs
230	GVLZ084	4 contact pairs, 4.5mm x 17.4mm	50pcs
231	GVLZ085	4 contact pairs, 6.4mm x 23.4mm	30pcs

Low Temperature Terminals (in-line connectors in 2.54mm step)

232	GVLZ156	12 contact pairs, male	1pcs
233	GVLZ157	12 contact pairs, female	1pcs
234	GVLZ158	12 contact pairs, female, low profile	1pcs
235	GVLZ129	20 contact pairs, male	1pcs
236	GVLZ130	20 contact pairs, female	1pcs
237	GVLZ155	20 contact pairs, female, low profile	1pcs

Low Temperature MCX-Miniature Coax Connectors

Wave impedance: 50Ω / Frequency range: 2GHz

238	GVLZ118	MCX connector, male, goldplated, straight	1pcs
239	GVLZ119	MCX connector, male, goldplated, 90° angle	1pcs
240	GVLZ153	MCX connector, female, goldplated, straight	1pcs
241	GVLZ102	MCX connector, female, goldplated, threaded mount	1pcs

Room Temperature Coax Vacuum Feedthroughs

Wave impedance: 50Ω / Frequency range: 1.5GHz

242	GVLZ147	Coax feedthrough, female, M7 thread	1pcs
243	GVLZ148	Male plug for above, straight	1pcs

Room Temperature Vacuum Feedthroughs

244	GVLZ159	24pin feedthrough, female	1pcs
245	GVLZ160	Male plug for above, straight	1pcs
246	GVLZ183	Male plug for above, 90° angle	1pcs

Low Temperature High Frequency Semi-rigid Coax Connectors

Wave impedance: 50Ω / Frequency range: 4-6GHz

247	GVLZ203	SMA connector, male, goldplated, straight (6GHz)	1pcs
248	GVLZ204	SMB connector, male, goldplated, straight (4GHz)	1pcs

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