

Thermal resistant cable 2GTL



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
maximum temperature at conductor:	180 °C
insulation:	silicone rubber
bending radius, fixed installation:	6 x DA
max. operating temperature, fixed:	-50 - +180 °C
flame retardant:	acc. to IEC 60332-1-2
halogen-free acc. to IEC 60754-2:	yes

	<i>2GTL 1,1/1,9 kV</i>	<i>2GTL 3,3/4,2 kV</i>	<i>2GTL 6,6/7,2 kV</i>	<i>2GTL 13,9/15,0 kV</i>
nominal voltage U₀:	1,1 kV	3,3 kV	6,6 kV	13,8 kV
nominal voltage U:	1,9 kV	4,2 kV	7,2 kV	15 kV
maximum permitted operating voltage in 3-phase systems:				
test voltage:	4 kV	10 kV	30 kV	31 kV

Construction:

- conductor
- separating tape or semiconducting tape
- insulation
- separating foil
- braided yarns as protection

Application: Flexible connecting cable for increased ambient temperatures, for example transformers, generators and motors. For installation indoors and cable ducts for power stations, industry and distribution networks etc.. The halogen sheath are resistant against transformer oil and fuel oil.

The nominal voltage is identified by the color:

- 1,1 kV - yellow
- 3,3 kV - reddish-brown
- 6,6 kV - grey
- 13,8 kV - black

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data 2GTL 1,1/1,9 kV

Art.-Nr.	part name	RI [Ω/km]	I _{bl} [A]	I _k [kA]	DA [mm]	CU	G [kg/km]
033398	2GTL 01X1,5 UL1,1 kV GE	13,7	35	264	4,1	14.4	26
033399	2GTL 01X2,5 UL1,1 kV GE	8,21	45	440	4,6	24	36
033400	2GTL 01X4 UL1,1 kV GE	4,95	60	704	5,1	38.4	52
033401	2GTL 01X6 UL1,1 kV GE	3,39	95	1060	5,5	58	72
033402	2GTL 01X10 UL1,1 kV GE	1,95	135	1760	6,4	96	113
033403	2GTL 01X16 UL1,1 kV GE	1,24	205	2800	8,5	154	168
033404	2GTL 01X25 UL1,1 kV GE	0,795	240	4400	10,5	240	261
032610	2GTL 01X35 UL1,1 kV GE	0,565	315	6200	11,8	336	356
032641	2GTL 01X50 UL1,1 kV GE	0,393	400	8800	14,1	480	509
031801	2GTL 01X70 UL1,1 kV GE	0,277	510	12300	16,1	672	737
031802	2GTL 01X95 UL1,1 kV GE	0,21	620	16700	18,3	912	970
033405	2GTL 01X120 UL1,1 kV GE	0,164	700	21100	20,2	1152	1152
033406	2GTL 01X150 UL1,1 kV GE	0,132	780	26400	22,5	1440	1437
033407	2GTL 01X185 UL1,1 kV GE	0,106	850	32600	24,9	1776	1767
033408	2GTL 01X240 UL1,1 kV GE	0,0817	960	42200	27,3	2304	2272

table: technical data 2GTL 3,3/4,2 kV

Art.-Nr.	part name	RI [Ω/km]	I _{bl} [A]	I _k [kA]	DA [mm]	CU	G [kg/km]
033409	2GTL 01X6 UL3,3/4,2 kV RT	3,39	95	1060	7,3	58	93
033410	2GTL 01X10 UL3,3/4,2 kV RT	1,95	135	1760	8,3	96	137
032649	2GTL 01X16 UL3,3/4,2 kV RT	1,24	205	2800	10,4	154	200
033411	2GTL 01X25 UL3,3/4,2 kV RT	0,795	240	4400	12,1	240	290
032613	2GTL 01X35 UL3,3/4,2 kV RT	0,565	315	6200	13,2	336	356
033412	2GTL 01X50 UL3,3/4,2 kV RT	0,393	400	8800	15,5	480	546
032608	2GTL 01X70 UL3,3/4,2 kV RT	0,277	510	12300	17,5	672	739
032640	2GTL 01X95 UL3,3/4,2 kV RT	0,21	620	16700	19,9	912	978
033413	2GTL 01X120 UL3,3/4,2 kV RT	0,164	700	21100	21,8	1152	1213
033414	2GTL 01X150 UL3,3/4,2 kV RT	0,132	780	26400	23,7	1440	1487
033415	2GTL 01X185 UL3,3/4,2 kV RT	0,106	850	32600	25,7	1776	1804
032059	2GTL 01X240 UL3,3/4,2 kV RT	0,0817	960	42200	28,1	2304	2305

table: technical data 2GTL 6,6/7,2 kV

Art.-Nr.	part name	RI [Ω/km]	I _{bl} [A]	I _k [kA]	DA [mm]	CU	G [kg/km]
033416	2GTL 01X4 UL6,6/7,2 kV GR	4,95	55	704	8,1	38,4	88
033417	2GTL 01X6 UL6,6/7,2 kV GR	3,39	85	1060	8,5	58	112
032647	2GTL 01X10 UL6,6/7,2 kV GR	1,95	120	1760	9,4	96	160
033418	2GTL 01X16 UL6,6/7,2 kV GR	1,24	185	2800	11,3	154	226
033419	2GTL 01X25 UL6,6/7,2 kV GR	0,795	225	4400	13,1	240	322
033420	2GTL 01X35 UL6,6/7,2 kV GR	0,565	290	6200	14,2	336	422
033421	2GTL 01X50 UL6,6/7,2 kV GR	0,393	365	8800	16,5	480	589
033422	2GTL 01X70 UL6,6/7,2 kV GR	0,277	460	12300	18,5	672	787
033423	2GTL 01X95 UL6,6/7,2 kV GR	0,21	560	16700	20,2	912	1011
033424	2GTL 01X120 UL6,6/7,2 kV GR	0,164	625	21100	22,2	1152	1249
033425	2GTL 01X150 UL6,6/7,2 kV GR	0,132	695	26400	24,2	1440	1535
033426	2GTL 01X185 UL6,6/7,2 kV GR	0,106	765	32600	26,2	1776	1856
033427	2GTL 01X240 UL6,6/7,2 kV GR	0,0817	865	42200	28,6	2304	2362

table: technical data 2GTL 13,9/15,0 kV

Art.-Nr.	part name	RI [Ω/km]	I _{bl} [A]	I _k [kA]	DA [mm]	CU	G [kg/km]
033428	2GTL 01X10 UL13,8/15 kV SW	1,95	120	1760	12,1	96	211
031930	2GTL 01X16 UL13,8/15 kV SW	1,24	185	2800	14,1	154	287
033429	2GTL 01X25 UL13,8/15 kV SW	0,795	225	4400	15,6	240	389
033430	2GTL 01X35 UL13,8/15 kV SW	0,565	290	6200	16,7	336	496
031933	2GTL 01X50 UL13,8/15 kV SW	0,393	365	8800	18,6	480	685
033431	2GTL 01X70 UL13,8/15 kV SW	0,277	460	12300	20,7	672	866
032143	2GTL 01X95 UL13,8/15 kV SW	0,21	560	16700	22,5	912	1096
033432	2GTL 01X120 UL13,8/15 kV SW	0,164	625	21100	24,3	1152	1340
033433	2GTL 01X150 UL13,8/15 kV SW	0,132	695	26400	26,7	1440	1646
033434	2GTL 01X185 UL13,8/15 kV SW	0,106	765	32600	28,7	1776	1975
033435	2GTL 01X240 UL13,8/15 kV SW	0,0817	865	42200	30,9	2304	2485