

Heat resistant cable 2GTL



Application: This connection cable is primarily used where great flexibility is required and a great thermal stress provided, e.g. transformers, generators, engines etc. For installation indoors and in cable ducts for power plant, industry and distribution networks. The halogen-free coating lends the cable good non-slip properties and abrasion-resistance as well as a very good resistance to transformer oil and light fuel oil.

Construction and technical data:

- conductor
- separating tape
- insulation
- enamel varnished yarn braiding

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	silicone rubber
Covering:	synthetic yarn, varnish coating with PUR
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
Oil-resistant:	yes
Ozone-resistant:	yes
Max. temperature at conductor, °C:	180 °C
Permitted outer cable temperature, fixed, °C:	-50 - +180 °C
Bending radius, fixed installation:	6 x Ø



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.

2GTL 3.3/4.2 kV

Colour of outer sheath:	red-brown
Nominal voltage U_o:	3.3 kV
Nominal voltage U:	4.2 kV
Maximum permitted operating voltage in three-phase systems:	6.6 kV
Test voltage:	10 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
036434	01X185 BN	0.108	850	25.2	1776	1921
037635	01X400 SW	0.0495	1472	36.8	3840	4124

2GTL 13.8/15 kV

Colour of outer sheath:	black
Nominal voltage U_o:	13.8 kV
Nominal voltage U:	15 kV
Maximum permitted operating voltage in three-phase systems:	27.6 kV
Test voltage:	31 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
036264	01X10 BK	1.95	120	14.9	96	277
036326	01X16 BK	1.24	185	15.8	154	346
036435	01X25 BK	0.795	225	17.2	240	454
036331	01X35 BK	0.565	290	18.3	336	565
036298	01X50 BK	0.393	365	20	480	729
036436	01X70 BK	0.277	460	22.1	672	957
036437	01X95 BK	0.21	560	24.1	912	1219
036578	01X120 BK	0.164	625	24.4	1152	1470
036579	01X150 BK	0.132	695	26.6	1440	1769
036323	01X185 BK	0.108	765	29.3	1776	2123
036460	01X240 BK	0.0817	865	31.9	2304	2665

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000