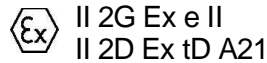


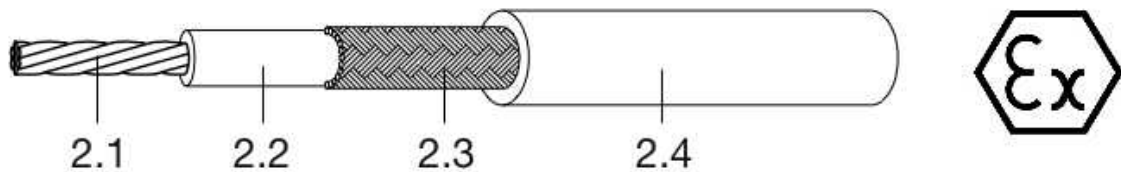
1. Product Description

The fluoropolymer-insulated heating cable TCTEX-L-* has been certified by the EC-type examination certificate no. KEMA 10ATEX0013 U for use in hazardous areas and, in combination with the connection components certified for this purpose, it fulfils all requirements according to EN 60079-30-1 as electrical apparatus for electrical heating systems.

Ex-marking:



2. Structure of fluoropolymer-insulated heating cable



2.1	Resistance conductor:	see table on page 2
2.2	Conductor insulation:	PFA, wall thickn.: 0,80 mm
2.3	Metal braid:	Cu-Ni-plated, 16x5x0,15, cross section 1,41 mm ² min. 70% cover
2.4	Outer sheath:	PFA, wall thickn.: 0,40 mm

3. General Characteristics

Resistance at +20°C:	see listing under 4. on page 2
Operating temperature:	- 60°C / + 260°C
Power output:	30 W/m max. (actual value according to the application)
Test voltage (U_{eff}):	2,50 kV (core/braid)
Nominal voltage (U_0/U):	450 V / 750 V
Mechanical stability:	4 Joule, design according to EN 60079-30-1
Bending radius minimum:	15mm
Min. assembly temperature:	- 60°C

4. Type Overview and Technical Data

Product Name Structure see under 2. on page 1 TCTEX-L-*	Resistance at +20°C * Ohm/km	Alloy of Conductor	Structure of Conductor Number times Diameter	Diameter Heating Conductor mm	Cross Section Heating Conductor mm ²	Outer Diameter Heating Cable mm	Temperature Coefficient of electrical Resistance 10 ⁻⁶ /K
TCTEX-L-7.2	7,2	Cu-Ni-pltd.	50x0,250	1,940	2,50	4,94 +0,2	+4300
TCTEX-L-10	10	Cu-Ni-pltd.	56x0,203	1,750	1,81	4,75 +0,2	+4300
TCTEX-L-11.7	11,7	Cu-Ni-pltd.	30x0,250	1,600	1,47	4,60 +0,2	+4300
TCTEX-L-15	15	Cu-Ni-pltd.	37x0,200	1,420	1,16	4,42 +0,2	+4300
TCTEX-L-17.8	17,8	Cu-Ni-pltd.	32x0,200	1,300	1,00	4,30 +0,2	+4300
TCTEX-L-25	25	CuNi 1	7x0,423	1,269	0,98	4,27 +0,2	+3000
TCTEX-L-31.5	31,5	CuNi 2	7x0,530	1,590	1,54	4,59 +0,2	+1000 to +1600
TCTEX-L-50	50	CuNi 2	7x0,423	1,269	0,98	4,27 +0,2	+1000 to +1600
TCTEX-L-50	50	CuNi 2	15x0,289	1,33	0,98	4,33 +0,2	+1000 to +1600
TCTEX-L-65	65	CuNi 2	7x0,370	1,110	0,75	4,11 +0,2	+1000 to +1600
TCTEX-L-80	80	CuNi 2	7x0,335	1,010	0,62	4,01 +0,2	+1000 to +1600
TCTEX-L-100	100	CuNi 10	7x0,520	1,560	1,48	4,56 +0,2	+350 to +450
TCTEX-L-100	100	CuNi 2	7x0,3	0,90	0,49	3,90 +0,2	+1000 to +1600
TCTEX-L-150	150	CuNi 10	7x0,423	1,269	0,98	4,27 +0,2	+350 to +450
TCTEX-L-180	180	CuNi 6	7x0,32	0,96	0,56	3,96 +0,2	+500 to +900
TCTEX-L-200	200	CuNi 10	7x0,366	1,098	0,73	4,10 +0,2	+350 to +450
TCTEX-L-320	320	CuNi23Mn	7x0,410	1,230	0,92	4,23 +0,2	+180
TCTEX-L-360	360	CuNi 10	7x0,273	0,819	0,41	3,82 +0,2	+350 to +450
TCTEX-L-380	380	CuNi23Mn	7x0,376	1,128	0,77	4,13 +0,2	+180
TCTEX-L-480	480	CuNi23Mn	7x0,335	1,010	0,62	4,01 +0,2	+180
TCTEX-L-600	600	CuNi23Mn	7x0,300	0,900	0,49	3,90 +0,2	+180
TCTEX-L-650	650	CuNi23Mn	7x0,288	0,864	0,46	3,87 +0,2	+180
TCTEX-L-700	700	CuNi23Mn	7x0,277	0,831	0,42	3,83 +0,2	+180
TCTEX-L-810	810	CuNi 44	7x0,329	0,987	0,59	3,99 +0,2	-80 to +40
TCTEX-L-1000	1000	CuNi 44	7x0,296	0,888	0,48	3,89 +0,2	-80 to +40
TCTEX-L-1440	1440	CuNi 44	7x0,246	0,738	0,33	3,74 +0,2	-80 to +40
TCTEX-L-1750	1750	CuNi 44	9x0,200	0,700	0,28	3,70 +0,2	-80 to +40
TCTEX-L-1750	1750	CuNi 44	7x0,224	0,672	0,28	3,67 +0,2	-80 to +40
TCTEX-L-2000	2000	NiCr30/20	7x0,305	0,915	0,51	3,92 +0,2	+300 to +400
TCTEX-L-3000	3000	NiCr30/20	7x0,249	0,747	0,34	3,75 +0,2	+300 to +400
TCTEX-L-8000	8000	NiCr80/20	7x0,155	0,465	0,13	3,47 +0,2	+50 to +150