



Flexible medium voltage cable LU-MEX-ST

1,1 to 13,8 kV

Flexible cables for medium voltage systems with silicone insulation and impregnated polyester fiber braiding.

Characteristics:

Thermal loadability in continuous operation:	-55 °C to + 180 °C
Thermal load capacity momentarily:	+ 210 °C
Excellent resistance to:	Chemicals, UV, oil, ozone, aging
Mechanical strength:	good
Bending radius:	5 x nominal diameter

Norms:

Halogen-free according to:	IEC 60754-1
Corrosiveness of combustion gases according to:	IEC 60754-2
Flame retardant, self-extinguishing behavior acc. to:	EN 60332-1, EN 60332-3, FT2
Fire resistance according to:	IEC60331
Low smoke development according to:	IEC61034
Production monitoring / Quality system:	ISO 9001:2008

Options:

Version with UL approval available

Structure:

- 1 Flexible Cu conductor according to EN 60228 Cl.5
- 2 Semiconductor dicing tape
- 3 Silicone insulation
- 4 Silicone insulated, fiberglass reinforced outer shell



		LU-MEX-ST 1,5	LU-MEX-ST 3,7	LU-MEX-ST 6,6	LU-MEX-ST 13,8							
Operating voltage:		1,5	3,7	6,6	13,8							
Test voltage:		5,0	10,0	15,0	30,0							
UL Style (optional):		Style 3640/3661	Style 3640/3661	Style 3640/3661	Style 3640/3661							
Colour:		yellow	brown	grey	black							
Characteristics												
cross-section*	cond. structure	conductor resistance		Cu-weight	rated outer Ø	weight	rated outer Ø	weight	rated outer Ø	weight	rated outer Ø	weight
(mm ²)	n x (mm)	(R max 20°C Ω/km)		(kg/km)	(mm)	(kg/km)	(mm)	(kg/km)	(mm)	(kg/km)	(mm)	(kg/km)
		bare	tinned									
1,5	30 x 0,25	13,3	13,7	14,4	4,1	26	-	-	-	-	-	-
2,5	50 x 0,25	7,98	8,21	24,0	4,7	39	6,7	72	-	-	-	-
4	56 x 0,30	4,95	5,09	38,4	5,5	57	7,7	98	9,1	119	-	-
6	84 x 0,30	3,30	3,39	57,6	6,1	85	8,3	123	9,7	147	12,7	212
10	80 x 0,40	1,91	1,95	96,0	8,0	135	10,2	172	11,6	202	14,6	277
16	128 x 0,40	1,21	1,24	153,6	9,2	199	11,0	236	12,4	266	15,4	346
25	196 x 0,40	0,78	0,795	240,0	11,0	300	12,4	330	14,2	377	16,8	454
35	280 x 0,40	0,554	0,565	336,0	12,1	398	13,5	432	15,3	482	17,9	565
50	400 x 0,40	0,386	0,393	480,0	14,2	555	15,2	583	17,0	637	19,6	729
70	544 x 0,40	0,272	0,277	672,0	16,2	752	17,2	785	19,0	846	21,6	957
95	760 x 0,40	0,206	0,210	912,0	18,6	1009	19,6	1044	21,4	1125	23,6	1219
120	950 x 0,40	0,161	0,164	1152,0	20,0	1246	21,0	1296	22,8	1370	25,0	1470
150	1184 x 0,40	0,129	0,132	1440,0	22,0	1557	22,6	1583	24,4	1663	26,6	1769
185	1480 x 0,40	0,106	0,108	1776,0	24,3	1903	24,7	1921	26,5	2007	28,7	2123
240	1887 x 0,40	0,0801	0,082	2304,0	27,4	2453	27,8	2474	29,4	2562	31,2	2665

*Other cross sections on request