

Lutze Silflex® Control-ER PVC, Unshielded

Flexible Control and Tray Cable with UL/TC-ER/WTTC/MTW/CSA/CE Approvals



Application

- Multi-conductor cable for tray and control applications, with **exposed run** (open wiring) approval
- Compliant with **NFPA 79** requirements
- **TC-ER** for use on machines and in cable trays **without conduit**, which can reduce material and labor costs
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet locations

Characteristics

- Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation
- Specially formulated jacket for oil resistance
- Gray jacket for control cable applications according to *DES/NA*
- Non-wicking fillers
- RoHS compliant
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Dry or wet conditions
- Talc free
- Silicone free

Technical Data

Voltage	600V UL TC 1000V WTTC
Temperature	-40°C - +90°C static
Bending radius	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground *no ground included
Approvals	UL Type TC-ER UL/AWM/CSA/CE (UL) Type MTW or DP-1 WTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and CIC FT4 UL 1277, RoHS Oil Res II

Construction

- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation
- Oil resistant gray PVC jacket

Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 18 (19/30)					
A3081802	2	7.0	0.276	40	12
A3081803	3	7.5	0.296	57	18
A3081804	4	8.1	0.320	66	24
A3081805	5	8.8	0.346	77	30
A3081807	7	9.5	0.373	100	42
A3081812	12	12.1	0.477	171	72
A3081818	18	14.9	0.587	245	108
A3081825	25	17.2	0.677	322	150
A3081841	41	22.1	0.895	469	247
A3081850	50	23.1	0.910	581	302
AWG 16 (26/30)					
A3081602	2*	7.7	0.305	52	16
A3081603	3	8.1	0.21	69	24
A3081604	4	8.7	0.347	83	32
A3081605	5	9.5	0.377	98	40
A3081607	7	10.2	0.406	127	57
A3081609	9	12.0	0.473	159	74
A3081612	12	13.4	0.527	220	98
A3081618	18	16.4	0.647	289	147
A3081625	25	19.0	0.748	397	204
AWG 14 (41/30)					
A3081403	3	8.8	0.348	87	38
A3081404	4	9.6	0.378	107	51
A3081405	5	10.4	0.410	128	64
A3081407	7	11.3	0.445	169	89
A3081409	9	13.1	0.516	204	115
A3081412	12	15.5	0.610	308	154
A3081418	18	18.2	0.715	402	231
A3081425	25	20.9	0.825	534	321
AWG 12 (65/30)					
A3081203	3	9.8	0.382	110	63
A3081204	4	11.1	0.437	152	83
A3081205	5	12.1	0.475	187	105
A3081207	7	14.1	0.556	258	147
AWG 10 (105/30)					
A3081004	4	14.6	0.573	265	130
A3081005	5	15.8	0.623	241	162
AWG 8 (168/30)					
A3080804	4	18.9	0.744	366	214
A3080805	5	22.4	0.874	452	268
AWG 6 (266/30)					
A3080604	4	21.7	0.853	580	339
A3080605	5	24.1	0.949	673	425
AWG 4 (413/30)					
A3080404	4	27.9	1.098	514	514
AWG 2 (665/30)					
A3080203	3	28.6	1.125	1063	655
A3080204	4	32.2	1.272	1305	874