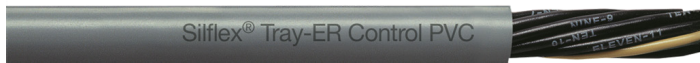


# Lutze Silflex® Control-ER PVC, Unshielded

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



### Application

- Multi-conductor cable for tray and control applications, with **exposed run** (open wiring) approval
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
- Compliant with **NFPA 79** requirements
- TC-ER for use on machines and in cable trays without conduit, which can reduce material and labor costs (AWG 18 and larger)
- WTTC – wind turbine tray cable rating for use in wind power generation (AWG 18 and larger)
- PLTC-ER – power limited tray cable exposed run
- ITC-ER – instrumentation tray cable
- 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/INA*
- Non-wicking fillers
- Sunlight resistant
- Direct burial (AWG 18 and larger)
- Talc free
- Silicone free

### Technical Data

Voltage	<b>AWG 20</b> 600V UL MTW 300V PLTC <b>AWG 18 and larger</b> 600V UL TC/MTW 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/AWM/CSA/CE AWM Style 20886 (UL) Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and C/IC FT4 UL 1277 Oil Res II RoHS
AWG specific approvals	<b>AWG 20</b> PLTC-ER and ITC-ER <b>AWG 18 to AWG 12</b> TC-ER and WTTC PLTC-ER and ITC-ER <b>AWG 10 and larger</b> TC-ER and WTTC

### 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
<b>AWG 20 (10/30)</b>					
<b>A3082003</b>	3	6.8	0.268	41	9
<b>A3082004</b>	4	7.3	0.287	49	13
<b>A3082005</b>	5	7.9	0.313	57	16
<b>A3082007</b>	7	8.5	0.335	70	22
<b>A3082012</b>	12	10.8	0.426	110	38
<b>A3082018</b>	18	12.5	0.492	152	56
<b>A3082025</b>	25	17.1	0.672	229	79
<b>AWG 18 (19/30)</b>					
<b>A3081802</b>	2*	7.0	0.276	46	12
<b>A3081803</b>	3	7.5	0.296	54	18
<b>A3081804</b>	4	8.1	0.320	65	24
<b>A3081805</b>	5	8.8	0.346	82	30
<b>A3081807</b>	7	9.5	0.373	102	42
<b>A3081809</b>	9	10.8	0.425	128	54
<b>A3081812</b>	12	12.1	0.477	157	72
<b>A3081818</b>	18	14.9	0.587	240	108
<b>A3081825</b>	25	17.2	0.677	314	151
<b>A3081834</b>	34	18.9	0.744	404	205
<b>A3081841</b>	41	22.8	0.896	520	248
<b>A3081850</b>	50	23.1	0.910	630	302
<b>AWG 16 (26/30)</b>					
<b>A3081602</b>	2*	7.7	0.305	53	16
<b>A3081603</b>	3	8.1	0.21	66	24
<b>A3081604</b>	4	8.7	0.347	77	32
<b>A3081605</b>	5	9.5	0.377	98	40
<b>A3081607</b>	7	10.2	0.406	122	57
<b>A3081609</b>	9	12.0	0.473	159	73
<b>A3081612</b>	12	13.4	0.527	196	98
<b>A3081618</b>	18	16.4	0.647	294	147
<b>A3081625</b>	25	19.0	0.748	391	204
<b>A3081634</b>	34	22.3	0.876	541	278
<b>A3081641</b>	41	25.0	0.983	670	335
<b>AWG 14 (41/30)</b>					
<b>A3081403</b>	3	8.8	0.348	87	38
<b>A3081404</b>	4	9.6	0.378	108	51
<b>A3081405</b>	5	10.4	0.410	125	64
<b>A3081407</b>	7	11.3	0.445	164	89
<b>A3081409</b>	9	13.1	0.516	213	115
<b>A3081412</b>	12	15.5	0.610	283	154
<b>A3081418</b>	18	18.2	0.715	404	231
<b>A3081425</b>	25	20.9	0.825	537	321

Specifications are subject to change without prior notice

# Lutze Silflex® Control-ER PVC, Unshielded

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



### Application

- Multi-conductor cable for tray and control applications, with **exposed run** (open wiring) approval
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
- Compliant with **NFPA 79** requirements
- TC-ER for use on machines and in cable trays without conduit, which can reduce material and labor costs (AWG 18 and larger)
- WTTC – wind turbine tray cable rating for use in wind power generation (AWG 18 and larger)
- PLTC-ER – power limited tray cable exposed run
- ITC-ER – instrumentation tray cable
- 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 *DESINA*
- Non-wicking fillers
- Sunlight resistant
- Direct burial (AWG 18 and larger)
- Talc free
- Silicone free

### Technical Data

Voltage	<b>AWG 20</b> 600V UL MTW 300V PLTC <b>AWG 18 and larger</b> 600V UL TC/MTW 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/AWM/CSA/CE AWM Style 20886 (UL) Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and CIC FT4 UL 1277 Oil Res II RoHS
AWG specific approvals	<b>AWG 20</b> PLTC-ER and ITC-ER <b>AWG 18 to AWG 12</b> TC-ER and WTTC PLTC-ER and ITC-ER <b>AWG 10 and larger</b> TC-ER and WTTC

### 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
<b>AWG 12 (65/30)</b>					
<b>A3081203</b>	3	9.8	0.382	122	63
<b>A3081204</b>	4	11.1	0.437	150	84
<b>A3081205</b>	5	12.1	0.475	183	105
<b>A3081207</b>	7	14.1	0.556	255	147
<b>AWG 10 (105/30)</b>					
<b>A3081003</b>	3	12.6	0.495	182	97
<b>A3081004</b>	4	14.6	0.573	239	130
<b>A3081005</b>	5	15.8	0.623	288	162
<b>AWG 8 (168/30)</b>					
<b>A3080803</b>	3	17.1	0.672	319	161
<b>A3080804</b>	4	18.9	0.744	398	214
<b>A3080805</b>	5	22.4	0.874	477	268
<b>AWG 6 (266/30)</b>					
<b>A3080603</b>	3	18.9	0.744	427	254
<b>A3080604</b>	4	21.7	0.853	535	339
<b>A3080605</b>	5	24.1	0.949	735	425
<b>AWG 4 (413/30)</b>					
<b>A3080404</b>	4	27.9	1.098	927	514
<b>AWG 2 (665/30)</b>					
<b>A3080204</b>	4	32.2	1.727	1352	874

Specifications are subject to change without prior notice