

# LUTZE SILFLEX® Control Cable PVC, Unshielded

## Flexible Control and Tray Cable with UL/TC-ER-JP/WTTC/ITC-ER/PLTC-ER/MTW/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-JP 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
- Non-wicking fillers
- Sunlight resistant
- Direct burial (AWG 18 and larger)
- Talc and Silicone free
- Joist Pull approval per 2017 NEC 336.10(9)\*\*

### Technical Data

Voltage	<b>AWG 20</b> 600V UL MTW 300V PLTC-ER
	<b>AWG 18 and larger</b> 600V UL TC-ER-JP/MTW 1000V WTTC
Temperature	-40°C - +90°C static
Minimum bending radius	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground *2C no ground included
Oil resistance	Oil Res II
Approvals	UL/AWM/CE AWM Style 20886 (UL) Type MTW or DP-1 Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 c(UL) TC and CIC FT4 UL 1277 RoHS REACH
AWG specific approvals	<b>AWG 20:</b> PLTC-ER and ITC-ER <b>AWG 18 to AWG 12:</b> TC-ER-JP** and WTTC PLTC-ER and ITC-ER *2C TC approval only <b>AWG 10 and larger:</b> TC-ER-JP** and WTTC

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>					
A3082003	AWG20/03C	6.8	0.268	41	9
A3082004	AWG20/04C	7.3	0.287	49	13
A3082005	AWG20/05C	7.9	0.313	57	16
A3082007	AWG20/07C	8.5	0.335	70	22
A3082012	AWG20/12C	10.8	0.426	110	38
A3082018	AWG20/18C	12.5	0.492	152	56
A3082025	AWG20/25C	17.1	0.672	229	79
<b>AWG 18 (19/30)</b>					
A3081802	AWG18/02C*	7.0	0.276	46	12
A3081803	AWG18/03C	7.5	0.296	54	18
A3081804	AWG18/04C	8.1	0.320	65	24
A3081805	AWG18/05C	8.8	0.346	82	30
A3081807	AWG18/07C	9.5	0.373	102	42
A3081809	AWG18/09C	10.8	0.425	128	54
A3081812	AWG18/12C	12.1	0.477	157	72
A3081818	AWG18/18C	14.9	0.587	240	108
A3081825	AWG18/25C	17.2	0.677	314	151
A3081834	AWG18/34C	18.9	0.744	404	205
A3081841	AWG18/41C	22.8	0.896	520	248
A3081850	AWG18/50C	23.1	0.910	630	302
<b>AWG 16 (26/30)</b>					
A3081602	AWG16/02C*	7.7	0.305	53	16
A3081603	AWG16/03C	8.2	0.321	66	24
A3081604	AWG16/04C	8.7	0.347	77	32
A3081605	AWG16/05C	9.5	0.377	98	40
A3081607	AWG16/07C	10.2	0.406	122	57
A3081609	AWG16/09C	12.0	0.473	159	73
A3081612	AWG16/12C	13.4	0.527	196	98
A3081618	AWG16/18C	16.4	0.647	294	147
A3081625	AWG16/25C	19.0	0.748	391	204
A3081634	AWG16/34C	22.3	0.876	541	278
A3081641	AWG16/41C	25.0	0.983	670	335
<b>AWG 14 (41/30)</b>					
A3081403	AWG14/03C	8.8	0.348	87	38
A3081404	AWG14/04C	9.6	0.378	108	51
A3081405	AWG14/05C	10.4	0.410	125	64
A3081407	AWG14/07C	11.3	0.445	164	89
A3081409	AWG14/09C	13.1	0.516	213	115
A3081412	AWG14/12C	15.5	0.610	283	154
A3081418	AWG14/18C	18.2	0.715	404	231
A3081425	AWG14/25C	20.9	0.825	537	321

### Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation / THHN – THWN
- Oil resistant PVC jacket
- Gray jacket, similar to RAL 7001

Specifications are subject to change without prior notice  
\*\* JP starting productions 3/2017

1-800-447-2371



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<b>AWG 12 (65/30)</b>					
A3081203	AWG12/03C	9.8	0.382	122	63
A3081204	AWG12/04C	11.1	0.437	150	84
A3081205	AWG12/05C	12.1	0.475	183	105
A3081207	AWG12/07C	14.1	0.556	255	147
<b>AWG 10 (105/30)</b>					
A3081004	AWG10/04C	14.6	0.573	239	130
A3081005	AWG10/05C	15.8	0.623	288	162
<b>AWG 8 (168/30)</b>					
A3080804	AWG8/04C	18.9	0.744	398	214
A3080805	AWG8/05C	22.4	0.882	452	268
<b>AWG 6 (266/30)</b>					
A3080604	AWG6/04C	20.8	0.820	535	339
<b>AWG 4 (413/30)</b>					
A3080404	AWG4/04C	27.2	1.070	927	514
<b>AWG 2 (665/30)</b>					
A3080204	AWG2/04C	31.1	1.225	1352	874

"Tray cable marked as TC-ER-JP (Joist Pull) has been evaluated by UL for pulling through structural members per the new NEC article 336.10(9)".

