

# LUTZE SILFLEX® Control Cable (C) PVC, Shielded

## 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
Bending radius	6 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>					
<b>A3092003</b>	AWG20/03C	7.5	0.295	56	20
<b>A3092004</b>	AWG20/04C	8.0	0.315	65	25
<b>A3092005</b>	AWG20/05C	8.5	0.336	74	28
<b>A3092007</b>	AWG20/07C	9.1	0.360	92	36
<b>A3092012</b>	AWG20/12C	11.4	0.450	131	56
<b>A3092018</b>	AWG20/18C	13.2	0.520	181	78
<b>A3092025</b>	AWG20/25C	15.7	0.620	246	102
<b>AWG 18 (19/30)</b>					
<b>A3091802</b>	AWG18/02C*	7.7	0.305	61	23
<b>A3091803</b>	AWG18/03C	8.1	0.320	71	30
<b>A3091804</b>	AWG18/04C	8.8	0.345	86	36
<b>A3091805</b>	AWG18/05C	9.3	0.368	100	44
<b>A3091807</b>	AWG18/07C	10.0	0.395	121	58
<b>A3091812</b>	AWG18/12C	12.7	0.500	180	91
<b>A3091818</b>	AWG18/18C	15.5	0.609	268	131
<b>A3091825</b>	AWG18/25C	17.6	0.692	342	177
<b>AWG 16 (26/30)</b>					
<b>A3091603</b>	AWG16/03C	8.7	0.343	87	39
<b>A3091604</b>	AWG16/04C	9.4	0.370	102	48
<b>A3091605</b>	AWG16/05C	10.1	0.398	119	58
<b>A3091607</b>	AWG16/07C	10.9	0.430	145	75
<b>A3091612</b>	AWG16/12C	14.6	0.575	239	121
<b>A3091618</b>	AWG16/18C	16.9	0.664	327	174
<b>A3091625</b>	AWG16/25C	19.6	0.757	423	233
<b>AWG 14 (41/30)</b>					
<b>A3091403</b>	AWG14/03C	9.5	0.375	110	57
<b>A3091404</b>	AWG14/04C	10.3	0.405	133	72
<b>A3091405</b>	AWG14/05C	11.2	0.440	154	85
<b>A3091407</b>	AWG14/07C	12.1	0.475	194	113
<b>A3091412</b>	AWG14/12C	16.3	0.640	316	182
<b>AWG 12 (65/30)</b>					
<b>A3091203</b>	AWG12/03C	10.8	0.425	150	89
<b>A3091204</b>	AWG12/04C	11.7	0.460	182	110
<b>AWG 10 (105/30)</b>					
<b>A3091004</b>	AWG10/04C	15.2	0.600	284	169

### Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation / THHN – THWN
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant PVC jacket, gray, similar to RAL 7001

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