

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 (AWG 18 to AWG 12 – production after 03/2011)
- ITC-ER – instrumentation tray cable (AWG 18 to AWG 12 - production after 03/2011)
- 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	AWG 20 600V UL MTW 300V PLTC AWG 18 and larger 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	AWG 20 PLTC-ER and ITC-ER AWG 18 to AWG 12 TC-ER and WTTC PLTC-ER and ITC-ER (production after 03/2011) AWG 10 and larger TC-ER and WTTC

Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 20 (10/30)					
A3082003	3	6.8	0.268	40	9
A3082004	4	7.3	0.287	48	13
A3082005	5	7.9	0.313	57	16
A3082007	7	8.5	0.335	70	22
A3082012	12	10.8	0.426	110	38
A3082018	18	12.5	0.492	151	56
A3082025	25	17.1	0.672	229	79
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
A3081809	9	10.8	0.425	125	54
A3081812	12	12.1	0.477	171	72
A3081818	18	14.9	0.587	245	108
A3081825	25	17.2	0.677	322	150
A3081834	34	18.9	0.744	454	206
A3081841	41	22.8	0.896	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
A3081641	41	25.0	0.983	672	335
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

Construction

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

Specifications are subject to change without prior notice

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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)					
A3081003	3	12.6	0.495	171	79
A3081004	4	14.6	0.573	241	130
A3081005	5	15.8	0.623	283	162
AWG 8 (168/30)					
A3080803	3	17.1	0.672	306	160
A3080804	4	18.9	0.744	366	214
A3080805	5	22.4	0.874	452	268
AWG 6 (266/30)					
A3080603	3	18.9	0.744	427	254
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

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