

Lutze Silflex® Control-ER PVC, Unshielded ●

NEW

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** for machine tool wiring
- **TC-ER** for use with 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

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
- RoHS compliant
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Dry or wet conditions
- 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
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

Part No.

Description

No. of conductors incl. ground

OD - Ø
ca. mm

OD - Ø
inches

Weight
Lbs/Mft

Part No.	Description	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft
AWG 18 (19/30) bare copper				
A3081803	3	7.5	0.296	57
A3081804	4	8.1	0.320	66
A3081805	5	8.8	0.346	77
A3081807	7	9.5	0.373	100
A3081812	12	12.1	0.477	171
A3081818	18	14.9	0.587	245
A3081825	25	17.2	0.677	322
AWG 16 (26/30) bare copper				
A3081602	2*	7.7	0.305	52
A3081603	3	8.1	0.321	69
A3081604	4	8.7	0.347	83
A3081605	5	9.5	0.377	98
A3081607	7	10.2	0.406	127
A3081609	9	12.0	0.473	159
A3081612	12	13.4	0.527	220
A3081618	18	16.4	0.647	289
A3081625	25	19.0	0.748	397
AWG 14 (41/30) bare copper				
A3081403	3	8.8	0.348	87
A3081404	4	9.6	0.378	107
A3081405	5	10.4	0.410	128
A3081407	7	11.3	0.445	169
A3081412	12	15.5	0.610	308
A3081418	18	18.2	0.715	402
A3081425	25	20.9	0.825	534
AWG 12 (65/30) bare copper				
A3081203	3	9.8	0.382	110
A3081204	4	11.1	0.437	152
A3081205	5	12.1	0.475	187
A3081207	7	14.1	0.556	258
AWG 10 (105/30) bare copper				
A3081004	4	14.6	0.573	265
AWG 8 (168/30) bare copper				
A3080804	4	18.9	0.744	366
AWG 6 (266/30) bare copper				
A3080604	4	21.7	0.853	580

* no ground conductor included

Construction

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

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