

FLEXIBLE CONTROL AND TRAY CABLE

LÜTZE SILFLEX® Flexible Control and Tray Cable
UL/TC-ER/WTTC/ITC-ER/PLTC-ER/MTW/CE Approvals
Shielded



CONSTRUCTION	
Conductor	• Flexible fine wire stranded bare copper
Insulation	• Polyvinyl Chloride (PVC) / Nylon / THHN - THWN
Ground	• One green/yellow ground • 2C no ground included
Jacket	• Gray (RAL 7001), Oil resistant Polyvinyl Chloride (PVC)

Applications:

- 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

Features:

- 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

Standards:

- Oil Res II
- UL/AWM/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
- RoHS
- REACH
- AWG 20: PLTC-ER and ITC-ER
- AWG 18 to AWG 12: TC-ER and WTTC; PLTC-ER and ITC-ER; *2C TC only
- AWG 10 and larger: TC-ER and WTTC

Additional Information:

Voltage:

- AWG 20: 600V UL MTW / 300V PLTC-ER
- AWG 18 and larger: 600V UL TC-ER/MTW / 1000V WTTC
- Temperature: -40°C – +90°C static
- Bend Radius: 6 x cable OD
- Conductor Marking: Black with white numbers and one green/yellow ground; *2C no ground included

[Click here for additional information from LÜTZE](#)

Part #	AWG	Conductors	Stranding	Nom. O.D.	Lbs./M'
LUA3092003	20	3	10/30	.295"	57
LUA3092004	20	4	10/30	.316"	65
LUA3092005	20	5	10/30	.337"	74
LUA3092007	20	7	10/30	.360"	93
LUA3092012	20	12	10/30	.450"	131
LUA3092018	20	18	10/30	.549"	197
LUA3092025	20	25	10/30	.621"	246
LUA3091802	18	2	19/30	.306"	59
LUA3091803	18	3	19/30	.31"	68
LUA3091804	18	4	19/30	.345"	84
LUA3091805	18	5	19/30	.357"	94
LUA3091807	18	7	19/30	.395"	119
LUA3091812	18	12	19/30	.505"	187
LUA3091818	18	18	19/30	.61"	266
LUA3091825	18	25	19/30	.71"	360
LUA3091603	16	3	26/30	.345"	87
LUA3091604	16	4	26/30	.370"	99
LUA3091605	16	5	26/30	.4	116
LUA3091607	16	7	26/30	.425"	144
LUA3091612	16	12	26/30	.55"	227
LUA3091618	16	18	26/30	.665"	326
LUA3091625	16	25	26/30	.77"	441
LUA3091403	14	3	41/30	.37"	109
LUA3091404	14	4	41/30	.406"	128
LUA3091405	14	5	41/30	.435"	155
LUA3091407	14	7	41/30	.48"	198
LUA3091412	14	12	41/30	.635"	315
LUA3091203	12	3	65/30	.425"	150
LUA3091204	12	4	65/30	.457"	173
LUA3091004	10	4	105/30	.594"	284