

Lutze Silflex® (C) Control-ER PVC, Shielded

Flexible Shielded 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

Construction

- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant gray PVC jacket

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)					
A3092003	3	7.5	0.295	57	22
A3092004	4	8.0	0.316	65	25
A3092005	5	8.6	0.337	74	28
A3092007	7	9.1	0.360	93	37
A3092012	12	11.4	0.450	131	56
A3092018	18	13.9	0.549	197	78
A3092025	25	15.8	0.621	246	104
AWG 18 (19/30)					
A3091802	2*	7.7	0.306	59	24
A3091803	3	7.9	0.310	68	30
A3091804	4	8.7	0.343	84	38
A3091805	5	9.1	0.357	94	44
A3091807	7	10.0	0.395	119	58
A3091812	12	12.8	0.505	187	91
A3091818	18	15.5	0.610	266	131
A3091825	25	18.0	0.710	360	177
AWG 16 (26/30)					
A3091602	2*	8.3	0.328	68	30
A3091603	3	8.8	0.345	87	39
A3091604	4	9.4	0.370	99	49
A3091605	5	10.2	0.400	116	57
A3091607	7	10.8	0.425	144	75
A3091612	12	14.0	0.550	227	121
A3091618	18	16.9	0.665	326	174
A3091625	25	19.6	0.770	441	233
AWG 14 (41/30)					
A3091403	3	9.4	0.370	109	57
A3091404	4	10.3	0.406	128	74
A3091405	5	11.1	0.435	155	85
A3091407	7	12.2	0.480	198	113
A3091412	12	16.1	0.635	315	182
AWG 12 (65/30)					
A3091203	3	10.8	0.425	150	88
A3091204	4	11.6	0.457	173	112
A3091205	5	12.7	0.500	215	133
AWG 10 (105/30)					
A3091004	4	15.1	0.594	284	171

Specifications are subject to change without prior notice