

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

		Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft	
Voltage	AWG 20	AWG 20 (10/30)						
	600V UL MTW	A3092003	3	7.5	0.295	57	22	
	300V PLTC	A3092004	4	8.0	0.316	65	25	
	AWG 18 and larger	A3092005	5	8.6	0.337	74	28	
	600V UL TC/MTW	A3092007	7	9.1	0.360	93	37	
	1000V WTTC	A3092012	12	11.4	0.450	131	56	
	Temperature	-40°C - +90°C static	A3092018	18	13.9	0.549	197	78
	Bending radius	4 x cable OD	A3092025	25	15.8	0.621	246	104
	Conductor marking	Black with white numbers and one green/yellow ground	AWG 18 (19/30)					
		no ground included	A3091802	2	7.7	0.306	59	24
Approvals	UL/AWM/CSA/CE	A3091803	3	7.9	0.310	68	30	
	AWM Style 20886	A3091804	4	8.7	0.343	84	38	
	(UL) Type MTW or DP-1	A3091805	5	9.1	0.357	94	44	
	Class 1 Div. 2 per NEC	A3091807	7	10.0	0.395	119	58	
	Art. 336, 392, 501	A3091812	12	12.8	0.505	187	91	
	C(UL) TC and CIC FT4	A3091818	18	15.5	0.610	266	131	
	UL 1277	A3091825	25	18.0	0.710	360	177	
	Oil Res II	AWG 16 (26/30)						
	RoHS	A3091602	2*	8.3	0.328	68	30	
	AWG specific approvals	AWG 20	A3091603	3	8.8	0.345	87	39
PLTC-ER and ITC-ER		A3091604	4	9.4	0.370	99	49	
AWG 18 to AWG 12		A3091605	5	10.2	0.400	116	57	
TC-ER and WTTC		A3091607	7	10.8	0.425	144	75	
PLTC-ER and ITC-ER (production after 03/2011)		A3091612	12	14.0	0.550	227	121	
AWG 10 and larger		A3091618	18	16.9	0.665	326	174	
TC-ER and WTTC		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		

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

Specifications are subject to change without prior notice