

LUTZE SILFLEX® Tray-ER TPE, Unshielded

Flexible Premium TPE Tray Cable with UL/TC-ER/WTTC/MTW/CE Approvals



Application

- Multi-conductor cable for tray 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
- Metal cutting equipment, 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
- Dry, damp and wet locations

Characteristics

- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Cutting oil resistant - mineral & bio/vegetable based oils *specifically tested with plant based cutting oil*
- Non-wicking fillers
- Sunlight resistant
- Flame retardant
- Direct burial
- Talc and Silicone free

Technical Data

Voltage	600V UL TC-ER 90C 600V UL MTW 90C 1000V WTTC 90C 600V UL AWM 105C
Temperature	-40°C - +90°C static
Minimum bending radius	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground *2C no ground included
Oil resistance	Oil Res I and Oil Res II
Approvals	UL Type TC-ER *2C UL Type TC UL/CE UL AWM Style 21270 (UL) Type MTW or DP-1 WTTC Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 c(UL) TC and CIC FT4 UL1277 RoHS, REACH UL509 BUS Drop (only items with 4 or 5 conductors, including ground)

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation
- Extremely oil resistant TPE jacket
- Black jacket, similar to RAL 9005

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 18 (16/30)					
A3321802	AWG18/02C*	7.0	0.276	44	10
A3321803	AWG18/03C	7.5	0.296	56	15
A3321804	AWG18/04C	8.1	0.320	67	21
A3321805	AWG18/05C	8.8	0.346	79	25
A3321807	AWG18/07C	9.5	0.373	95	35
A3321812	AWG18/12C	12.1	0.477	148	60
A3321818	AWG18/18C	14.9	0.587	217	90
A3321825	AWG18/25C	17.2	0.677	288	129
AWG 16 (26/30)					
A3321602	AWG16/02C*	7.7	0.305	59	17
A3321603	AWG16/03C	8.2	0.321	72	25
A3321604	AWG16/04C	8.7	0.347	85	33
A3321605	AWG16/05C	9.5	0.377	100	41
A3321607	AWG16/07C	10.2	0.406	125	58
A3321612	AWG16/12C	13.4	0.527	214	100
A3321618	AWG16/18C	16.4	0.647	300	150
A3321625	AWG16/25C	19.0	0.748	396	208
AWG 14 (41/30)					
A3321403	AWG14/03C	8.8	0.348	92	39
A3321404	AWG14/04C	9.6	0.378	108	52
A3321405	AWG14/05C	10.4	0.410	127	65
A3321407	AWG14/07C	11.3	0.445	167	92
A3321412	AWG14/12C	15.5	0.610	287	158
AWG 12 (65/30)					
A3321203	AWG12/03C	9.8	0.382	119	62
A3321204	AWG12/04C	11.1	0.437	146	83
A3321205	AWG12/05C	12.1	0.475	182	104
A3321207	AWG12/07C	14.1	0.556	238	145
AWG 10 (105/30)					
A3321003	AWG10/03C	11.7	0.461	178	100
A3321004	AWG10/04C	14.6	0.573	221	134
A3321005	AWG10/05C	15.8	0.623	285	167
AWG 8 (168/30)					
A3320804	AWG8/04C	18.9	0.744	392	214
AWG 6 (266/30)					
A3320604	AWG6/04C	20.8	0.820	552	339
AWG 4 (413/30)					
A3320404	AWG4/4C	27.2	1.070	910	516
AWG 2 (665/30)					
A3320204	AWG2/04C	31.1	1.225	1,391	883
1/0 (1064/30)					
A3321/004	1/0/4C	36.4	1.435	1,871	1,338
2/0 (1330/30)					
A3322/004	2/0/4C	39.2	1.544	2,257	1,685
3/0 (1665/30)					
A3323/004	3/0/4C	45.6	1.794	2,982	2,156
4/0 (2109/30)					
A3324/004	4/0/4C	48.3	1.903	3,549	2,676

Specifications are subject to change without prior notice

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