LÜTZE 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

- Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation
- Specially formulated TPE jacket for superior oil resistance
- Cutting oil resistant - mineral & bio/vegetable based oils *specifically tested with plant based cutting oil*
- Non-wicking fillers
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- 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 (UL) Type MTW or DP-1 WTTC Class 1, Div. 2 per NEC Art. 336, 392, 501 C(UL) TC CIC FT4 UL1277 RoHS REACH UL509 BUS Drop (4C & 5C only)

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation / THHN – THWN
- Extremely oil resistant TPE jacket
- Black jacket 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)				
A3321803	AWG18/03C	7.2	0.284	56	15
A3321804	AWG18/04C	7.6	0.300	67	21
A3321805	AWG18/05C	8.4	0.331	79	25
A3321807	AWG18/07C	9.1	0.356	95	35
A3321812	AWG18/12C	11.6	0.456	148	60
A3321818	AWG18/18C	14.2	0.558	217	90
A3321825	AWG18/25C	16.1	0.634	288	129
	AWG 16 (26/30)				
A3321602	AWG16/02C*	7.5	0.296	59	17
A3321603	AWG16/03C	7.9	0.312	72	25
A3321604	AWG16/04C	8.4	0.331	85	33
A3321605	AWG16/05C	9.3	0.365	100	41
A3321607	AWG16/07C	10.0	0.395	125	58
A3321612	AWG16/12C	13.7	0.540	214	100
A3321618	AWG16/18C	15.8	0.623	300	150
A3321625	AWG16/25C	18.1	0.711	396	208
	AWG 14 (41/30)				
A3321403	AWG14/03C	8.6	0.340	92	39
A3321404	AWG14/04C	9.4	0.368	108	52
A3321405	AWG14/05C	10.0	0.395	127	65
A3321407	AWG14/07C	11.0	0.434	167	92
A3321412	AWG14/12C	15.0	0.589	287	158
	AWG 12 (65/30)				
A3321203	AWG12/03C	9.8	0.385	119	62
A3321204	AWG12/04C	10.5	0.413	146	83
A3321205	AWG12/05C	11.6	0.457	182	104
A3321207	AWG12/07C	12.6	0.497	238	145
	AWG 10 (105/30)				
A3321003	AWG10/03C	11.7	0.461	178	100
A3321004	AWG10/04C	12.7	0.498	221	134
A3321005	AWG10/05C	14.8	0.582	285	167
	AWG 8 (168/30)				
A3320804	AWG8/04C	18.1	0.711	392	214
	AWG 6 (266/30)				
A3320604	AWG6/04C	20.1	0.790	552	339
	AWG 4 (413/30)				
A3320404	AWG4/4C	26.3	1.033	910	516
	AWG 2 (665/30)				
A3320204	AWG2/04C	30.8	1.214	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