

LUTZE SILFLEX® Tray-ER PVC, Unshielded

Flexible Control and Tray Cable for Stationary Applications



Application

- Multi-conductor cable for tray 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-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments
- 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
- Non-wicking fillers
- Sunlight resistant
- Flame retardant
- Direct burial (AWG 18 and larger)
- Talc and silicone free

Technical Data

Voltage	600V 90C TC-ER-JP 1000V 90C WTTC 1000V 80C AWM
Temperature range	-40°C - +90°C static
Bending radius min	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil Res II
Approvals	UL Type TC-ER-JP UL/CE UL AWM Style 20886 (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

Construction

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

Specifications are subject to change without prior notice

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 18 (19/30)					
A3221803	AWG18/03C	7.5	0.296	54	18
A3221804	AWG18/04C	8.1	0.320	65	24
A3221805	AWG18/05C	8.8	0.346	82	30
A3221807	AWG18/07C	9.5	0.373	102	42
A3221809	AWG18/09C	10.8	0.425	128	54
A3221812	AWG18/12C	12.1	0.477	157	72
A3221818	AWG18/18C	14.9	0.587	240	108
A3221825	AWG18/25C	17.2	0.677	314	151
AWG 16 (26/30)					
A3221602	AWG16/02C	7.7	0.305	53	16
A3221603	AWG16/03C	8.2	0.321	66	24
A3221604	AWG16/04C	8.7	0.347	77	32
A3221605	AWG16/05C	9.5	0.377	98	40
A3221607	AWG16/07C	10.2	0.406	122	57
A3221609	AWG16/09C	12.0	0.471	159	73
A3221612	AWG16/12C	13.4	0.527	196	98
A3221618	AWG16/18C	16.4	0.647	294	147
A3221625	AWG16/25C	19.0	0.748	391	204
AWG 14 (41/30)					
A3221403	AWG14/03C	8.8	0.348	87	38
A3221404	AWG14/04C	9.6	0.378	108	51
A3221405	AWG14/05C	10.4	0.410	125	64
A3221407	AWG14/07C	11.3	0.445	164	89
A3221412	AWG14/12C	15.5	0.610	283	154
AWG 12 (65/30)					
A3221203	AWG12/03C	9.8	0.382	122	63
A3221204	AWG12/04C	11.1	0.437	150	84
A3221205	AWG12/05C	12.1	0.475	183	105
A3221207	AWG12/07C	14.1	0.556	255	147
AWG 10 (105/30)					
A3221004	AWG10/04C	14.6	0.573	239	130
AWG 8 (168/30)					
A3220804	AWG8/04C	18.9	0.744	398	214
AWG 6 (266/30)					
A3220604	AWG6/04C	21.7	0.853	535	339