

LUTZE SILFLEX® Control Cable PVC, Unshielded

Flexible Control and Tray Cable with UL/TC-ER-JP/WTTC/ITC-ER/PLTC-ER/MTW/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-JP 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
- ITC-ER – instrumentation tray cable
- 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
- Non-wicking fillers
- Sunlight resistant
- Direct burial (AWG 18 and larger)
- Talc and Silicone free
- Joist Pull approval per 2017 NEC 336.10(9)**

Technical Data

Voltage	AWG 20 600V UL MTW 300V PLTC-ER AWG 18 and larger 600V UL TC-ER-JP/MTW 1000V WTTC
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 II
Approvals	UL/AWM/CE AWM Style 20886 (UL) Type MTW or DP-1 Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 c(UL) TC and CIC FT4 UL 1277 RoHS REACH
AWG specific approvals	AWG 20: PLTC-ER and ITC-ER AWG 18 to AWG 12: TC-ER-JP** and WTTC PLTC-ER and ITC-ER *2C TC approval only AWG 10 and larger: TC-ER-JP** and WTTC

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation / THHN – THWN
- Oil resistant PVC jacket
- Gray jacket, similar to RAL 7001

Specifications are subject to change without prior notice
** JP starting productions 3/2017

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 12 (65/30)					
A3081203	AWG12/03C	9.8	0.382	122	63
A3081204	AWG12/04C	11.1	0.437	150	84
A3081205	AWG12/05C	12.1	0.475	183	105
A3081207	AWG12/07C	14.1	0.556	255	147
AWG 10 (105/30)					
A3081004	AWG10/04C	14.6	0.573	239	130
A3081005	AWG10/05C	15.8	0.623	288	162
AWG 8 (168/30)					
A3080804	AWG8/04C	18.9	0.744	398	214
A3080805	AWG8/05C	22.4	0.882	452	268
AWG 6 (266/30)					
A3080604	AWG6/04C	20.8	0.820	535	339
AWG 4 (413/30)					
A3080404	AWG4/04C	27.2	1.070	927	514
AWG 2 (665/30)					
A3080204	AWG2/04C	31.1	1.225	1352	874

"Tray cable marked as TC-ER-JP (Joist Pull) has been evaluated by UL for pulling through structural members per the new NEC article 336.10(9)".

