

LUTZE SILFLEX® Control Cable (C) PVC, Shielded

Flexible Control and Tray Cable for Stationary Applications



Application

- Dual-shielded 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 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
- PLTC-ER – power limited tray cable exposed run
- ITC-ER – instrumentation tray cable
- Dry, damp or 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	
AWG 20:	300V 90C PLTC-ER 300V 90C ITC-ER 600V MTW 1000V 80C AWM
AWG 18 and larger:	600V 90C TC-ER-JP 1000V 90C WTTC 600V MTW 1000V 80C AWM
Temperature range	-40°C - +90°C static
Bending radius min	6 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 Meets NEC 336, 392, 725, 727 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 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

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 20 (10/30)					
A3092003	AWG20/03C	7.5	0.295	56	20
A3092004	AWG20/04C	8.0	0.315	65	25
A3092005	AWG20/05C	8.5	0.336	74	28
A3092007	AWG20/07C	9.1	0.360	92	36
A3092012	AWG20/12C	11.4	0.450	131	56
A3092018	AWG20/18C	13.2	0.520	181	78
A3092025	AWG20/25C	15.7	0.620	246	102
AWG 18 (19/30)					
A3091802	AWG18/02C*	7.7	0.305	61	23
A3091803	AWG18/03C	8.1	0.320	71	30
A3091804	AWG18/04C	8.8	0.345	86	36
A3091805	AWG18/05C	9.3	0.368	100	44
A3091807	AWG18/07C	10.0	0.395	121	58
A3091812	AWG18/12C	12.7	0.500	180	91
A3091818	AWG18/18C	15.5	0.609	268	131
A3091825	AWG18/25C	17.6	0.692	342	177
AWG 16 (26/30)					
A3091603	AWG16/03C	8.7	0.343	87	39
A3091604	AWG16/04C	9.4	0.370	102	48
A3091605	AWG16/05C	10.1	0.398	119	58
A3091607	AWG16/07C	10.9	0.430	145	75
A3091612	AWG16/12C	14.6	0.575	239	121
A3091618	AWG16/18C	16.9	0.664	327	174
A3091625	AWG16/25C	19.6	0.757	423	233
AWG 14 (41/30)					
A3091403	AWG14/03C	9.5	0.375	110	57
A3091404	AWG14/04C	10.3	0.405	133	72
A3091405	AWG14/05C	11.2	0.440	154	85
A3091407	AWG14/07C	12.1	0.475	194	113
A3091412	AWG14/12C	16.3	0.640	316	182
AWG 12 (65/30)					
A3091203	AWG12/03C	10.8	0.425	150	89
A3091204	AWG12/04C	11.7	0.460	182	110
A3091205	AWG12/05C	12.7	0.500	215	133
AWG 10 (105/30)					
A3091004	AWG10/04C	15.2	0.600	284	169

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant PVC jacket
- Gray jacket similar to RAL 7001