

LUTZE SILFLEX® M (C) Motor TPE, Shielded

Flexible Motor Cable with UL/TC-ER/WTTC/MTW/CE Approvals
Similar to Allen-Bradley® 2090 and other servo system cables



Application

- Bulk cable similar to Allen-Bradley® 2090 and other servo system cables for stationary applications and installation in cable trays.
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Improved insulation design with additional conductor stress relief layer as a power distortion suppressant
- Compliant with NFPA 79 for machine tool wiring
- TC-ER for use with cable trays without conduit, which can reduce material and labor costs
- Dry, damp and wet locations

Characteristics

- Improved design with conductor stress relief layer helps to prevent premature cable failure and reduces corona effects, increasing reliability and lifetime
- Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation
- Very round cable with small diameter
- Specially formulated TPE jacket for superior oil resistance per Oil Res I and II
- Resistant to many mineral and vegetable based cutting oils
- Non-wicking fillers
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc and Silicone free

Technical Data

Voltage	600V UL TC 600V UL MTW 1000V WTTC 1000V Flexible Motor Supply
Temperature	600V UL AWM 105C -40°C - +90°C (105C)
Bending radius	6 x cable OD
Conductor marking	Power: brown, black, blue Ground: green/yellow Control pair: black/white
Approvals	UL Flexible Motor Supply Cable UL TC-ER UL/AWM/CE UL MTW WTTC UL AWM Style 20328 Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 c(UL) TC CIC FT4 UL 1277 Oil Res I and II RoHS REACH

Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation with conductor stress relief layer
- Shielded with tinned copper braid, optical coverage ≥ 85%
- Oil resistant orange TPE jacket

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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 16 (26/30)				
A3161604	AWG16/04C	10.5	0.410	124	50
	AWG 14 (41/30)				
A3161404	AWG14/04C	11.6	0.455	159	71
	AWG 12 (65/30)				
A3161204	AWG12/04C	13.1	0.510	214	107
	AWG 10 (105/30)				
A3161004	AWG10/04C	16.5	0.650	321	161
	AWG 8 (168/30)				
A3160804	AWG8/04C	21.0	0.825	490	267

WITH ONE SHIELDED CONTROL PAIR

	AWG 16 (26/30)				
A3171604	AWG16/04C+ 1 TSP AWG18	12.1	0.477	161	72
	AWG 14 (41/30)				
A3171404	AWG14/04C+ 1 TSP AWG18	12.8	0.505	196	92
	AWG 12 (65/30)				
A3171204	AWG12/04C+ 1 TSP AWG18	15.0	0.590	263	128
	AWG 10 (105/30)				
A3171004	AWG10/04C+ 1 TSP AWG18	18.1	0.716	380	191
	AWG 8 (168/30)				
A3170804	AWG8/04C+ 1 TSP AWG18	22.5	0.890	568	285
	AWG 6 (266/30)				
A3170604	AWG6/04C+ 1 TSP AWG18	25.5	1.003	786	417
	AWG 4 (413/30)				
A3170404	AWG4/04C+ 1 TSP AWG16	29.5	1.162	1119	613
	AWG 2 (665/30)				
A3170204	AWG2/04C+ 1 TSP AWG16	34.1	1.340	1543	983

**TSP = Twisted
Shielded Pair**

For standard three phase VFD applications, please refer to LUTZE DRIVEFLEX® cable series.

1-800-447-2371



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