

LÜTZE SILFLEX® M (C) Motor PVC, Shielded

Flexible Motor Cable with UL/TC-ER/WTTC/MTW/CE Approvals



Application

- Shielded multi-conductor cable for Motor applications to connect power to 3-phase motors
- Power cable for electrical motors with direct, reversing or soft starters (For 3 phase VFD's, see Driveflex® A216/A217 series for long cable runs or use with VFD's)
- 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
- 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
- With reduced cable diameter
- Specially formulated jacket for oil resistance
- Semi-conductive layer reduces corona effects, thus increasing the reliability and lifetime
- Non-wicking fillers
- Sunlight resistant
- Direct burial
- Talc and Silicone free

Technical Data

Voltage	600V 90C TC-ER, MTW 1000V 90C Flexible Motor Supply, WTTC, AWM
Temperature	-40°C - +90°C static
Minimum bending radius	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil Res II
Approvals	Flexible Motor Supply Cable per UL 2277 TC-ER per UL 1277 UL AWM Style 20886 MTW per UL 1063 WTTC per UL 2277 Class 1, Div. 2 per NEC Art. 336, 392, 501 C(UL) TC CIC FT4 RoHS REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- PVC/Nylon insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant PVC jacket
- Black jacket 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)					
A1161804	AWG18/04C	9.8	0.385	99	37
AWG 16 (26/30)					
A1161604	AWG16/04C	10.4	0.410	116	49
AWG 14 (41/30)					
A1161404	AWG14/04C	11.6	0.455	153	73
AWG 12 (65/30)					
A1161204	AWG12/04C	13.0	0.510	209	112

Larger AWG available through special order or refer to Driveflex® A216 VFD cable series.

WITH ONE SHIELDED CONTROL PAIR

AWG 16 (26/30)					
A1171604	AWG16/04C+ 1 TSP AWG 18	12.1	0.477	150	69
AWG 14 (41/30)					
A1171404	AWG14/04C+ 1 TSP AWG 18	12.8	0.505	183	92
AWG 12 (65/30)					
A1171204	AWG12/04C+ 1 TSP AWG 16	15.1	0.595	260	138

Larger AWG available through special order or refer to DRIVEFLEX® A217 VFD cable series.

**TSP = Twisted
Shielded Pair**