

# LUTZE Technical Overview

## Simplified Motor, VFD and Servo Cable Selection by Horsepower (HP) rated at 75°C

Part#	Amps	AWG (POWER)	230V-3 Ø	460V-3 Ø	575V-3 Ø
A1061804	4C	-	18 AWG	NA	N/A
A2161604	4C	-	16 AWG	NA	N/A
A1061604	4C	20	14 AWG	5 HP	10 HP
A2161404	4C	25	12 AWG	5 HP	10 HP
A1061404	4C	35	10 AWG	10 HP	20 HP
A2161204	4C	50	8 AWG	10 HP	30 HP
A1061204	4C	65	6 AWG	15 HP	40 HP
A2161004	4C	85	4 AWG	25 HP	50 HP
A1061004	4C	115	2 AWG	25 HP	60 HP
A2160804	4C	130	1 AWG	40 HP	75 HP
A1060804	4C	150	1/0	40 HP	75 HP
A2160604	3C	175	2/0	50 HP	100 HP
A2200603	3C	200	3/0	60 HP	125 HP
A2160404	4C	230	4/0	60 HP	150 HP
A2200403	3C	255	250 kcmil	75 HP	150 HP
A2160204	4C	310	350 kcmil	75 HP	150 HP
A2200203	3C	380	500 kcmil	100 HP	200 HP
A2200103	3C			40 HP	75 HP
A2201/003	3C			40 HP	75 HP
A2202/003	3C			50 HP	100 HP
A2203/003	3C			60 HP	125 HP
A2204/003	3C			60 HP	150 HP
A22025003	3C			75 HP	150 HP
A22035003	3C			75 HP	150 HP
A22050003	3C			100 HP	200 HP

Number of current carrying conductors is three (3) + green/yellow ground(s)

Part#	Amps	AWG (POWER)	230V-3Ø	460V-3 Ø	575V-3 Ø
A1071804	4C+1TSP	-	18 AWG	NA	NA
A2171604	4C+1TSP	-	16 AWG	NA	NA
A1071604	4C+1TSP	16	14 AWG	3 HP	7.5 HP
A2171404	4C+1TSP	20	12 AWG	5 HP	10 HP
A1071404	4C+1TSP	28	10 AWG	7.5 HP	15 HP
A2171204	4C+1TSP	40	8 AWG	10 HP	20 HP
A1071204	4C+1TSP	48	6 AWG	10 HP	30 HP
A2171004	4C+1TSP	68	4 AWG	20 HP	40 HP
A1071004	4C+1TSP	92	2 AWG	25 HP	50 HP
A2170804	4C+1TSP			10 HP	20 HP
A1070804	4C+1TSP			10 HP	20 HP
A2170604	4C+1TSP			10 HP	30 HP
A2170404	4C+1TSP			20 HP	40 HP
A2170204	4C+1TSP			25 HP	50 HP

Number of current carrying conductors is five (5) + 1 green/yellow ground

Part#	Amps	AWG (POWER)	230V-3Ø	460V-3 Ø	575V-3 Ø
A2181604	4C+2TSP	-	16 AWG	N/A	N/A
A2181404	4C+2TSP	14	14 AWG	3 HP	7.5 HP
A2181204	4C+2TSP	17.5	12 AWG	5 HP	10 HP
A2181004	4C+2TSP	24.5	10 AWG	5 HP	10 HP
A2180804	4C+2TSP	35	8 AWG	10 HP	20 HP

Number of current carrying conductors is seven (7) + 1 green/yellow ground

### Notes:

Type of Motor is design B

Class of Service is continuous

Duty-Cycle Service is continuous

Conductor is copper 75°C

Ambient temperature is 26-30°C

Values are based on 2017 NEC 430.250 multiplied x 1.25

Ampacities are based on 2017 NEC 310.15 (B)(16) 75°

Cables with Signal pair(s) have been de-rated in accordance to 2017 NEC 310.15(B)(3)(a)

\*All values given are calculated based on 2017 NEC. For actual amperage consult your Motor/Drive manual and your local code restrictions. This guideline is simplified in order to select cable sizes. This document has no legal meaning, the interpretation of the NEC code has to be verified by the Authority Having Jurisdiction (AHJ).