

Power cable length table for MIGHTY PULLER

Model	Voltage (V)	Output (kW)	Pole (P)	Rated current (A)	Starting current (A)	Conductor cross sectional area (mm ²)															
						2	3.5	5.5	8	14	22	30	38	50	60	80	100	125	150	200	250
MA-3G10	200	0.87	4	4.2	24.6	37	65	103	150	263											
WK55X	200	1	4	4.8	24.6	37	65	103	150	263											
MA-2 MA-3G15 MA-5G11	200	1.5	4	6.8	45.1	20	35	56	81	143	225										
MA-3 MA-5G16 MA-7G11 MA-10G12	200	2.5	4	10.6	67	13	24	37	55	96	151	206	262								
MA-25G10 MA-25H40G10	200	3.7	6	16.6	123	7	13	20	30	52	82	112	142	187	225						
MA-5 MA-7G17 MA-10G18 MA-20G13	200	3.9	4	16.2	124	7	13	20	29	52	82	111	141	186	223	298					
MA-7 MA-25G15 MA-25H40G13	200	6.1	4	25.6	189	-	8	13	19	34	53	73	92	122	146	195	244				
MA-10 MA-20G20 MAW-40H10	200	8.1	4	32.4	237	-	-	10	15	27	42	58	74	97	117	156	195	243	292		
MA-10P	200	8.1	4/2	33	218	-	-	11	16	29	46	63	80	106	127	169	212	265	318		
MAW-50H10	200	11	4	42	263	-	-	-	14	24	38	52	66	87	105	140	175	219	263		
MA-20 MAW-40H20 MAW-60H10	200	15	4	56.4	380	-	-	-	-	17	26	36	46	60	72	97	121	152	182	243	
MA-20P	200	15	4/2	61	415	-	-	-	-	15	24	33	42	55	66	89	111	139	167	222	
MW-60H10	200	15	4	53.7	360	-	-	-	-	17	28	38	48	64	77	102	128	160	192	256	320
MA-25 MA-25H40	200	18.5	4	72.8	590	-	-	-	-	-	17	23	29	39	47	62	78	97	117	156	195
MA-25P	200	18.5	4/2	82	408	-	-	-	-	-	24	33	43	56	67	90	113	141	169	226	283
MA-35 MA-35H42 MA-35P MA-35PH42	200	25	8/4	108	557	-	-	-	-	-	-	24	31	41	49	66	82	103	124	165	207
MA-40 MA-40H42 MA-40P MA-40PH42	200	28	8/4	120	699	-	-	-	-	-	-	-	25	33	39	52	66	82	99	132	165
MAW-60H20	200	30	4	110	720	-	-	-	-	-	-	19	24	32	38	51	64	80	96	128	160
MW-60H20	200	30	4	109	690	-	-	-	-	-	-	20	25	33	40	53	66	83	100	133	167
MA-50 MA-50H44 MA-50P MA-50PH44	200	37	8/4	170	1080	-	-	-	-	-	-	-	-	-	25	34	42	53	64	85	106
MA-75 MA-75P	400	47	8/4	111	673	-	-	-	-	-	-	41	52	68	82	109	137	171	206	274	343

$$L = \frac{\epsilon \times E \times A}{2 \times 100 \times \alpha \times R \times I_{st}}$$

L : Power cable length [m]
 ϵ : Allowable voltage drop rate 10 [%]
 E : Power supply voltage [V]
 A : Conductor cross sectional area [mm²]
 α : Temperature coefficient of resistance at 60°C 1.157 [-]
 R : Resistivity at 20 °C 0.0187 [Ω·mm²/m]

※The current value was measured at 50Hz. The current value at 60Hz is slightly less than at 50Hz but you can take the value shown above for 60 Hz.

unit : m