



Ideal for manufacturers and integrators of:

- Industrial automation systems
- Conveyors
- Machine tools
- Robotics
- Packaging equipment

## HY-TREX® POWER CABLE

This is ideal for motor and power applications that command resilience and longevity during continuous flexing, torsion, and twisting. The HY-TREX® Power Cable Series is UL rated with shielded and unshielded options that withstand constant extreme temperatures and unparalleled resistance to abrasion, UV, and oils. This highly flexible and durable cable series is easy to install and rated to perform.

### CONSTRUCTION

**CENTER CORE:** Center core filler to reduce mechanical stress on the cable  
*\*on certain part numbers as required*

**FABRIC SEPARATOR:** Eases stripping of cable jacket

**CONDUCTORS:** Bare copper, Class K 30 AWG strand

**INSULATION:** Special Formulation TPE compound

**COLOR-CODE:** Black conductors with alphanumeric ID green or green/yellow ground

**SHIELD:** Tinned copper braid, 85% coverage

**JACKET:** TPE compound - black

### RATINGS / APPROVALS

**VOLTAGE:** 600V TC-ER/1000V WTTC

**MAX CONDUCTOR TEMP:**

90°C Dry / 75°C Wet

**FLAME:** FT4

**UL:** TC-ER per UL 1277

WTTC per UL 2277

AWM per UL 758

MTW per UL 1063

**cUL:** CIC-TC per CSA 22.2 No. 239

**NEC:**

Suitable for Class I,

Division 2 per Article 501

### PERFORMANCE

**BEND RADIUS STATIC:**

6x cable outer diameter

**BEND RADIUS DYNAMIC:**

8x cable outer diameter

**COLD BEND:** -25°C

**COLD IMPACT:** -25°C

**OIL RESISTANCE:** Oil Resistant I

POWER CABLES // MP500 SERIES // SHIELDED

PART NO.	NUMBER OF CONDUCTORS	COND SIZE		STRANDING	NOM O.D. (in.)	WEIGHT (LBS/1000')	BEND RADIUS (in.)	GLAND* P/N
		AWG	EQUIV (mm <sup>2</sup> )					
MP500-018-3C-GY-S	3	18	0.75	19/30	0.327	91	2.7	55002
MP500-018-4C-GY-S	4	18	0.75	19/30	0.350	106	2.8	55002
MP500-018-5C-GY-S	5	18	0.75	19/30	0.378	121	3.1	55002
MP500-016-3C-GY-S	3	16	1.5	26/30	0.354	107	2.9	55002
MP500-016-4C-GY-S	4	16	1.5	26/30	0.382	126	3.1	55002
MP500-016-5C-GY-S	5	16	1.5	26/30	0.409	145	3.3	55002
MP500-014-3C-GY-S	3	14	2.5	41/30	0.386	135	3.1	55002
MP500-014-4C-GY-S	4	14	2.5	41/30	0.417	159	3.4	55002
MP500-014-5C-GY-S	5	14	2.5	41/30	0.453	185	3.7	55004
MP500-012-3C-GY-S	3	12	4.0	65/30	0.433	177	3.5	55004
MP500-012-4C-GY-S	4	12	4.0	65/30	0.472	211	3.8	55004
MP500-012-5C-GY-S	5	12	4.0	65/30	0.512	247	4.1	55005
MP500-010-3C-GY-S	3	10	6.0	105/30	0.508	248	4.1	55005
MP500-010-4C-GY-S	4	10	6.0	105/30	0.583	317	4.7	55005
MP500-010-5C-GY-S	5	10	6.0	105/30	0.634	375	5.1	55006
MP500-008-3C-GY-S	3	8	10	168/30	0.720	440	5.8	55008
MP500-008-4C-GY-S	4	8	10	168/30	0.787	536	6.3	55008
MP500-008-5C-GY-S	5	8	10	168/30	0.898	669	7.2	55009
MP500-006-3C-GY-S	3	6	16	266/30	0.791	572	6.4	55008
MP500-006-4C-GY-S	4	6	16	266/30	0.906	741	7.3	55009
MP500-006-5C-GY-S	5	6	16	266/30	0.988	879	8.0	55010
MP500-004-3C-GY-S	3	4	25	420/30	1.000	882	8.0	55010
MP500-004-4C-GY-S	4	4	25	420/30	1.094	1089	8.8	55010/55011
MP500-004-5C-GY-S	5	4	25	420/30	1.201	1300	9.7	55010/55011
MP500-002-3C-GY-S	3	2	35	665/30	1.165	1247	9.4	55010/55011
MP500-002-4C-GY-S	4	2	35	665/30	1.280	1554	10.3	55012/55014
MP500-002-5C-GY-S	5	2	35	665/30	1.406	1867	11.3	55014
MP500-001-3C-GY-S	3	1	50	798/30	1.299	1507	10.4	55013/55014
MP500-001-4C-GY-S	4	1	50	798/30	1.429	1881	11.5	55014
MP500-001-5C-GY-S	5	1	50	798/30	1.571	2263	12.6	55014/55015
MP500-1OT-3C-GY-S	3	1/0	55	1045/30	1.339	1791	10.8	55013/55014
MP500-1OT-4C-GY-S	4	1/0	55	1045/30	1.476	2244	11.9	55014/55015
MP500-1OT-5C-GY-S	5	1/0	55	1045/30	1.622	2705	13.0	55014/55015
MP500-2OT-3C-GY-S	3	2/0	70	1330/30	1.508	2246	12.1	55014/55015
MP500-2OT-4C-GY-S	4	2/0	70	1330/30	1.724	2928	13.8	55015/55016
MP500-2OT-5C-GY-S	5	2/0	70	1330/30	1.894	3525	15.2	55015/55016
MP500-3OT-3C-GY-S	3	3/0	95	1691/30	1.559	2602	12.5	55014/55015
MP500-3OT-4C-GY-S	4	3/0	95	1691/30	1.783	3398	14.3	55015/55016
MP500-3OT-5C-GY-S	5	3/0	95	1691/30	1.957	4106	15.7	55015/55016/ 55017
MP500-4OT-3C-GY-S	3	4/0	120	2160/30	1.843	3426	14.8	55015/55016
MP500-4OT-4C-GY-S	4	4/0	120	2160/30	2.031	4323	16.3	55016/55017
MP500-4OT-5C-GY-S	5	4/0	120	2160/30	2.236	5233	17.9	55015/55016/ 55017

\* Aluminum Straight Grip-Seals®. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required.

## POWER CABLES // MP500 SERIES // UNSHIELDED

PART NO.	LEGACY PART NO.	NUMBER OF CONDUCTORS	COND SIZE		STRANDING	NOM O.D. (in.)	WEIGHT (LBS/1000')	BEND RADIUS (in.)	GLAND* P/N
			AWG	EQUIV (mm <sup>2</sup> )					
MP500-018-3C-GY-U	-	3	18	0.75	19/30	0.311	57	2.5	55001
MP500-018-4C-GY-U	-	4	18	0.75	19/30	0.331	68	2.7	55002
MP500-018-5C-GY-U	-	5	18	0.75	19/30	0.358	85	2.9	55002
MP500-016-3C-GY-U	76193	3	16	1.5	26/30	0.339	69	2.8	55002
MP500-016-4C-GY-U	76198	4	16	1.5	26/30	0.365	85	3.0	55002
MP500-016-5C-GY-U	76202	5	16	1.5	26/30	0.386	102	3.1	55002
MP500-014-3C-GY-U	-	3	14	2.5	41/30	0.384	88	3.1	55002
MP500-014-4C-GY-U	76199	4	14	2.5	41/30	0.394	109	3.2	55002
MP500-014-5C-GY-U	76195	5	14	2.5	41/30	0.430	132	3.5	55004
MP500-012-3C-GY-U	76303	3	12	4.0	65/30	0.411	118	3.3	55004
MP500-012-4C-GY-U	76200	4	12	4.0	65/30	0.452	149	3.7	55004
MP500-012-5C-GY-U	77205	5	12	4.0	65/30	0.500	182	4.0	55005
MP500-010-3C-GY-U	76203	3	10	6.0	105/30	0.492	175	4.5	55005
MP500-010-4C-GY-U	76201	4	10	6.0	105/30	0.576	243	4.7	55005
MP500-010-5C-GY-U	76205	5	10	6.0	105/30	0.619	304	5.0	55005
MP500-008-3C-GY-U	-	3	8	10	168/30	0.686	340	5.5	55007
MP500-008-4C-GY-U	61804	4	8	10	168/30	0.756	433	6.1	55007
MP500-008-5C-GY-U	61805	5	8	10	168/30	0.824	530	6.6	55008
MP500-006-3C-GY-U	-	3	6	16	266/30	0.780	460	6.3	55008
MP500-006-4C-GY-U	61806	4	6	16	266/30	0.900	618	7.2	55009
MP500-006-5C-GY-U	-	5	6	16	266/30	0.961	753	7.7	55009
MP500-004-3C-GY-U	61807	3	4	25	420/30	1.000	743	8.0	55010
MP500-004-4C-GY-U	61808	4	4	25	420/30	1.060	935	8.5	55010
MP500-004-5C-GY-U	61809	5	4	25	420/30	1.180	1149	9.5	55011
MP500-002-3C-GY-U	61803	3	2	35	665/30	1.140	1040	9.2	55011
MP500-002-4C-GY-U	61810	4	2	35	665/30	1.250	1366	10.0	55011
MP500-002-5C-GY-U	-	5	2	35	665/30	1.390	1706	11.2	55014
MP500-001-3C-GY-U	-	3	1	50	798/30	1.272	1317	10.2	55013/55014
MP500-001-4C-GY-U	-	4	1	50	798/30	1.406	1645	11.3	55014
MP500-001-5C-GY-U	-	5	1	50	798/30	1.555	2087	12.5	55014
MP500-10T-3C-GY-U	-	3	1/0	55	1045/30	1.307	1546	10.5	55014
MP500-10T-4C-GY-U	-	4	1/0	55	1045/30	1.449	2021	11.6	55014
MP500-10T-5C-GY-U	-	5	1/0	55	1045/30	1.598	2465	12.8	55015
MP500-20T-3C-GY-U	-	3	2/0	70	1330/30	1.480	2003	11.9	55014
MP500-20T-4C-GY-U	-	4	2/0	70	1330/30	1.638	2546	13.2	55015
MP500-20T-5C-GY-U	-	5	2/0	70	1330/30	1.870	3250	15.0	55016
MP500-30T-3C-GY-U	-	3	3/0	95	1691/30	1.535	2329	12.3	55014
MP500-30T-4C-GY-U	-	4	3/0	95	1691/30	1.748	3091	14.0	55015
MP500-30T-5C-GY-U	-	5	3/0	95	1691/30	1.933	3824	15.5	55016
MP500-40T-3C-GY-U	-	3	4/0	120	2160/30	1.815	3100	14.6	55015/55016
MP500-40T-4C-GY-U	-	4	4/0	120	2160/30	1.992	3960	16.0	55016
MP500-40T-5C-GY-U	-	5	4/0	120	2160/30	2.209	4922	17.7	55017