

Power Cable

Hy-Trex® MP500 Power Cable

The Hy-Trex® MP500 Power Cable is a highly flexible cable ideal for supplying power to OEM equipment and machines, designed for longevity during continuous flexing, twisting, and torsion.

The jacket provides resistance to abrasion and oils and protection from UV light. This flexible power cable is available in both shielded and unshielded configurations and is easy to install.



Ratings

600V 1000V WTTTC Max Conductor Temperature 90°C Dry / 75°C Wet Type TC-ER Type WTTTC Type MTW
 AWM Style 20886 CIC-TC per CSA 22.2 No. 239 FT4 Flame Rating Suitable for Class I, II, III, Division 2***

Performance Characteristics

- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.
- ✓ Oil Resistant I
- ✓ Cold Bend: -25°C
- ✓ Cold Impact: -25°C

Engineered to Resist

- Flexing
- Abrasion
- Impact
- Cold Temperature

Features & Benefits

Finely Stranded Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage.

Specially Compounded TPE Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

Fabric Separator

Allows for easy stripping of the cable jacket.

Specially Compounded Black TPE Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Shielded

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
MP500-018-3C-GY-S	18/3	14	0.327	91	55002
MP500-018-4C-GY-S	18/4	14	0.350	106	55002
MP500-018-5C-GY-S	18/5	11	0.378	121	55002
MP500-016-3C-GY-S	16/3	18	0.354	107	55002
MP500-016-4C-GY-S	16/4	18	0.382	126	55002
MP500-016-5C-GY-S	16/5	14	0.409	145	55002
MP500-014-3C-GY-S	14/3	25	0.386	135	55002
MP500-014-4C-GY-S	14/4	25	0.417	159	55002
MP500-014-5C-GY-S	14/5	20	0.453	185	55004
MP500-012-3C-GY-S	12/3	30	0.433	177	55004
MP500-012-4C-GY-S	12/4	30	0.472	211	55004
MP500-012-5C-GY-S	12/5	24	0.512	247	55005
MP500-010-3C-GY-S	10/3	40	0.508	248	55005
MP500-010-4C-GY-S	10/4	40	0.583	317	55005
MP500-010-5C-GY-S	10/5	32	0.634	375	55006
MP500-008-3C-GY-S	8/3	55	0.720	440	55008
MP500-008-4C-GY-S	8/4	55	0.787	536	55008
MP500-008-5C-GY-S	8/5	44	0.898	669	55009
MP500-006-3C-GY-S	6/3	75	0.791	572	55008
MP500-006-4C-GY-S	6/4	75	0.906	741	55009
MP500-006-5C-GY-S	6/5	60	0.988	879	55010
MP500-004-3C-GY-S	4/3	95	1.000	882	55010
MP500-004-4C-GY-S	4/4	95	1.094	1089	55010/55011
MP500-004-5C-GY-S	4/5	76	1.201	1300	55010/55011
MP500-002-3C-GY-S	2/3	130	1.165	1247	55010/55011
MP500-002-4C-GY-S	2/4	130	1.280	1554	55012/55014
MP500-002-5C-GY-S	2/5	104	1.406	1867	55014
MP500-001-3C-GY-S	1/3	145	1.299	1507	55013/55014



Ordering information is continued on the next page.

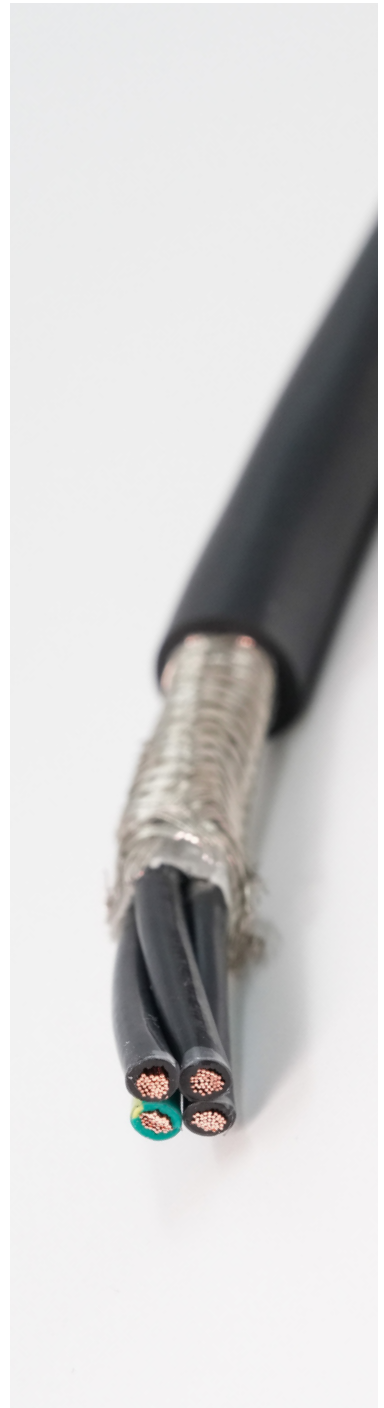
Hy-Trex® MP500 Power Cable - Continued

Shielded (Continued)

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
MP500-001-4C-GY-S	1/4	145	1.429	1881	55014
MP500-001-5C-GY-S	1/5	116	1.571	2263	55014/55015
MP500-10T-3C-GY-S	1/0-3	170	1.339	1791	55013/55014
MP500-10T-4C-GY-S	1/0-4	170	1.476	2244	55014/55015
MP500-10T-5C-GY-S	1/0-5	136	1.622	2705	55014/55015
MP500-20T-3C-GY-S	2/0-3	195	1.508	2246	55014/55015
MP500-20T-4C-GY-S	2/0-4	195	1.724	2928	55015/55016
MP500-20T-5C-GY-S	2/0-5	156	1.894	3525	55015/55016
MP500-30T-3C-GY-S	3/0-3	225	1.559	2602	55014/55015
MP500-30T-4C-GY-S	3/0-4	225	1.783	3398	55015/55016
MP500-30T-5C-GY-S	3/0-5	180	1.957	4106	55015/55016/55017
MP500-40T-3C-GY-S	4/0-3	260	1.843	3426	55015/55016
MP500-40T-4C-GY-S	4/0-4	260	2.031	4323	55016/55017
MP500-40T-5C-GY-S	4/0-5	208	2.236	5233	55015/55016/55017

Unshielded

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
MP500-018-3C-GY-U	18/3	14	0.311	57	55001
MP500-018-4C-GY-U	18/4	14	0.331	68	55002
MP500-018-5C-GY-U	18/5	11	0.358	85	55002
MP500-016-3C-GY-U	16/3	18	0.339	69	55002
MP500-016-4C-GY-U	16/4	18	0.365	85	55002
MP500-016-5C-GY-U	16/5	14	0.386	102	55002
MP500-014-3C-GY-U	14/3	25	0.384	88	55002
MP500-014-4C-GY-U	14/4	25	0.394	109	55002
MP500-014-5C-GY-U	14/5	20	0.430	132	55004
MP500-012-3C-GY-U	12/3	30	0.411	118	55004
MP500-012-4C-GY-U	12/4	30	0.452	149	55004
MP500-012-5C-GY-U	12/5	24	0.500	182	55005
MP500-010-3C-GY-U	10/3	40	0.492	175	55005
MP500-010-4C-GY-U	10/4	40	0.576	243	55005
MP500-010-5C-GY-U	10/5	32	0.619	304	55005
MP500-008-3C-GY-U	8/3	55	0.686	340	55007
MP500-008-4C-GY-U	8/4	55	0.756	433	55007
MP500-008-5C-GY-U	8/5	44	0.824	530	55008
MP500-006-3C-GY-U	6/3	75	0.780	460	55008
MP500-006-4C-GY-U	6/4	75	0.900	618	55009
MP500-006-5C-GY-U	6/5	60	0.961	753	55009
MP500-004-3C-GY-U	4/3	95	1.000	743	55010
MP500-004-4C-GY-U	4/4	95	1.060	935	55010
MP500-004-5C-GY-U	4/5	76	1.180	1149	55011
MP500-002-3C-GY-U	2/3	130	1.140	1040	55011
MP500-002-4C-GY-U	2/4	130	1.250	1366	55011
MP500-002-5C-GY-U	2/5	104	1.390	1706	55014
MP500-001-3C-GY-U	1/3	145	1.272	1317	55013/55014
MP500-001-4C-GY-U	1/4	145	1.406	1645	55014
MP500-001-5C-GY-U	1/5	116	1.555	2087	55014
MP500-10T-3C-GY-U	1/0-3	170	1.307	1546	55014
MP500-10T-4C-GY-U	1/0-4	170	1.449	2021	55014
MP500-10T-5C-GY-U	1/0-5	136	1.598	2465	55015
MP500-20T-3C-GY-U	2/0-3	195	1.480	2003	55014
MP500-20T-4C-GY-U	2/0-4	195	1.638	2546	55015
MP500-20T-5C-GY-U	2/0-5	156	1.870	3250	55016
MP500-30T-3C-GY-U	3/0-3	225	1.535	2329	55014
MP500-30T-4C-GY-U	3/0-4	225	1.748	3091	55015
MP500-30T-5C-GY-U	3/0-5	180	1.933	3824	55016
MP500-40T-3C-GY-U	4/0-3	260	1.815	3100	55015/55016
MP500-40T-4C-GY-U	4/0-4	260	1.992	3960	55016
MP500-40T-5C-GY-U	4/0-5	208	2.209	4922	55017



Notes

*Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC Table 310.16 & 310.15(C)(1).

**Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.

***When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.