

High Performance



The **MotionMultiwire HP series** incorporates the most commonly used cables used in power and tool power supply and industrial wiring harnesses in general. Suitable for a pose that goes from fixed (BP version with PVC sheath) to high-end (HP version with PUR sheath), they have flexibility, reduced bending radius and chemical resistance in general. The whole series is **UL / CSA and EAC approved**.



CONSTRUCTION FEATURES

Conductor	Extra Flexible Bare Copper Class 6
Insulation	Special Polypropylene
Colour Code	Black with white number + Y/G
Layup	Twisted Pairs - Levels divided by No Woven Tape
Separator	Easy strip away tape
Outer Sheath	PUR
Colour	Grey / RAL 7001

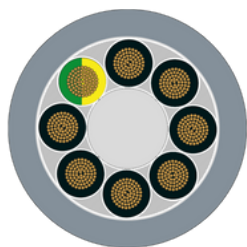
PRODUCT'S FEATURES

	Operating Voltage 0.6/1kV
	Temperature static -50 °C / +90 °C dynamic -40 °C / +90 °C
	Dielectric Strength 4.0 kV acc.to EN 50395 Part 6 - 7
	Insulation Resistance ≥ 1 GΩ x km acc.to EN 50395 Part 8
	Electrical Resistance IEC 60228 Cl.6 EN 50395 Part. 5

MECHANICAL FEATURES

	Speed 600 m/min
	Bending Radius 6.5 x Ø
	Acceleration 60 m/sec ²
	Cycles 10.000.000
	Torsion ±30°/1000 mm
	Pulling ≤ 20 N/mm ²

Eurocabos Code	MotioCables Code	Formation	Outer Diameter	Copper Weight	Weight approx. kg/km
EUR-172-0001	MDN21X02UP-G	2x0.5	6.2	10	27
EUR-172-0445	MDN21G03UP-G	3G0.5	6.5	14	34
EUR-172-0446	MDN21G04UP-G	4G0.5	6.9	19	42
EUR-172-0447	MDN21G05UP-G	5G0.5	7.4	24	52
EUR-172-0449	MDN21G07UP-G	7G0.5	8.6	34	74
EUR-172-0454	MDN21G12UP-G	12G0.5	10	58	111
EUR-172-0460	MDN21G18UP-G	18G0.5	11.8	86	162
EUR-172-0467	MDN21G25UP-G	25G0.5	13.8	120	220
EUR-172-0068	MDN19X02UP-G	2X0.75	6.6	14	34
EUR-172-0512	MDN19G03UP-G	3G0.75	6.9	22	44
EUR-172-0513	MDN19G04UP-G	4G0.75	7.4	29	56
EUR-172-0514	MDN19G05UP-G	5G0.75	8	36	68
EUR-172-0516	MDN19G07UP-G	7G0.75	9.3	50	97
EUR-172-0521	MDN19G12UP-G	12G0.75	10.8	86	152
EUR-172-0527	MDN19G18UP-G	18G0.75	12.8	130	222
EUR-172-0534	MDN19G25UP-G	25G0.75	15	180	309
EUR-172-0135	MDN17X02UP-G	2X1	6.9	19	40
EUR-172-0579	MDN17G03UP-G	3G1	7.2	29	53
EUR-172-0580	MDN17G04UP-G	4G1	7.8	38	66
EUR-172-0581	MDN17G05UP-G	5G1	8.4	48	84
EUR-172-0583	MDN17G07UP-G	7G1	9.8	67	119
EUR-172-0588	MDN17G12UP-G	12G1	11.7	115	183
EUR-172-0594	MDN17G18UP-G	18G1	13.5	173	271
EUR-172-0601	MDN17G25UP-G	25G1	16.1	240	376
EUR-172-0202	MDN15X02UP-G	2X1.5	7.5	29	52
EUR-172-0646	MDN15G03UP-G	3G1.5	7.9	43	69
EUR-172-0647	MDN15G04UP-G	4G1.5	8.5	58	91
EUR-172-0648	MDN15G05UP-G	5G1.5	9.2	72	116
EUR-172-0650	MDN15G07UP-G	7G1.5	11	101	163
EUR-172-0655	MDN15G12UP-G	12G1.5	12.9	173	249
EUR-172-0661	MDN15G18UP-G	18G1.5	14.9	259	373
EUR-172-0668	MDN15G25UP-G	25G1.5	18	360	516



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EUR-172-0269	MDN13X02UP-G	2x2.5	8.7	48	7
EUR-172-0713	MDN13G03UP-G	3G2.5	9.2	72	107
EUR-172-0714	MDN13G04UP-G	4G2.5	9.9	96	140
EUR-172-0715	MDN13G05UP-G	5G2.5	11.1	120	177
EUR-172-0717	MDN13G07UP-G	7G2.5	13.1	168	250
EUR-172-0722	MDN13G12UP-G	12G2.5	15.7	288	393
EUR-172-0728	MDN13G18UP-G	18G2.5	18.2	432	584
EUR-172-0735	MDN13G25UP-G	25G2.5	21.9	600	817
EUR-172-0780	PDN11G03UP-G	3G4	11	115	160
EUR-172-0781	PDN11G04UP-G	4G4	11.7	154	209
EUR-172-0782	PDN11G05UP-G	5G4	14.8	192	264
EUR-172-0784	PDN11G07UP-G	7G4	16.5	269	380
EUR-172-0806	PDN09G04UP-G	4G6	14.4	230	311
EUR-172-0818	PDN07G04UP-G	4G10	18.6	384	750
EUR-172-0830	PDN05G04UP-G	4G16	22.8	614	1200
EUR-172-0837	PDN03G04UP-G	4G25	26.3	960	1700
EUR-172-0844	PDN02G04UP-G	4G35	30	1344	2300

Product's Features	
	Oil Resistant (O-V) EN 50363-10-12, UL 1581
	Flame Resistant IEC 60332-1-2; UL VW1; UL FT 1
	Zero Halogen EN 60754-1
	Cold Resistant EN 60811-1-4
	Abrasion Resistant ASTM D 4060
	Ozone Resistant EN 50396 Art. 8.1.3

	Microbe Resistant VDE 0282/10
	Mud Resistant NEK 606
	Water Resistant EM 60811-1-3